A Complete Bibliography of Publications in *SIAM Journal on Mathematical Analysis* for 2010–2019

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: `beebe@math.utah.edu`, `beebe@acm.org`, `beebe@computer.org` (Internet)
WWW URL: `https://www.math.utah.edu/~beebe/`

31 May 2024
Version 2.22

Title word cross-reference

References

Alikakos:2013:PAC

[AAD13] Nicholas D. Alikakos, Panagiotis Antonopoulos, and Apostolos Damialis. Plateau angle conditions for the vector-valued Allen–Cahn equation. *SIAM Journal on Mathematical Analysis*, 45(6):3823–3837, ???? 2013. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Aguillon:2018:ARP

[AAGP18] Nina Aguillon, Emmanuel Audusse, Edwige Godlewski, and Martin Parisot. Analysis of the Riemann problem for a shallow water model with two velocities. *SIAM Journal on Mathematical Analysis*, 50(5): 4861–4888, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Al-Aifari:2014:SAT

[AAK14] Reema Al-Aifari and Alexander Katsevich. Spectral analysis of the truncated Hilbert transform with overlap. *SIAM Journal on Mathematical Analysis*, 46(1):192–213, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Antonelli:2019:RNS

[AAS19] Paolo Antonelli, Jack Arbunich, and Christof Sparber. Regularizing nonlinear Schrödinger equations through partial off-axis variations. *SIAM Journal on Mathematical Analysis*, 51(1): 110–130, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Aksoylu:2010:RDE

[AB10] Burak Aksoylu and Horst R. Beyer. Results on the diffusion equation with rough coefficients. *SIAM Journal on Mathematical Analysis*, 42(1): 406–426, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Antonopoulou:2016:MDS

[ABBK16] D. C. Antonopoulou, P. W. Bates, D. Blömker, and G. D. Karali. Motion of a droplet for the stochastic mass-conserving Allen–Cahn equation. *SIAM Journal on Mathematical Analysis*, 48(1): 670–708, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Azaiez:2018:NAP

[ABCD+18] M. Azaïez, F. Ben Belgacem, J. Casado-Díaz, T. Chacón Rebollo, and F. Murat. A new algorithm of proper generalized decomposition for parametric symmetric elliptic problems. *SIAM Journal on Mathematical Analysis*, 50(5): 5426–5445, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alonso:2018:ODD

[ABCL18] Ricardo Alonso, Véronique Bagland, Yingda Cheng, and Bertrand Lods. One-dimensional dissipative Boltzmann equation: Measure solutions, cooling rate, and self-similar profile. *SIAM Journal on Mathematical Analysis*, 50(1):1278–1321, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alberti:2019:UIF

[ABDD19] Giovanni S. Alberti, Francesca Bartolucci, Filippo De Mari, and Ernesto De Vito. Unitarization and inversion formulae for the Radon transform between dual pairs. *SIAM Journal on Mathematical Analysis*, 51(6):4356–4381, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Abels:2012:SWP

[Abe12] Helmut Abels. Strong well-posedness of a diffuse interface model for a viscous, quasi-incompressible two-phase flow. *SIAM Journal on Mathematical Analysis*, 44 (1):316–340, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p316_s1`.

Alama:2010:TFL

[ABGS10] Stan Alama, Lia Bronsard, and Bernardo Galvão-Sousa. Thin film limits for Ginzburg–Landau with strong applied magnetic fields. *SIAM Journal on Mathematical Analysis*, 42(1):97–124, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Almog:2019:ESS

[ABGS19] Yaniv Almog, Leonid Berlyand, Dmitry Golovaty, and Itai Shafrir. Existence of superconducting solutions for a reduced Ginzburg–Landau model in the presence of strong electric currents. *SIAM Journal on Mathematical Analysis*, 51(2):873–912, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Antonopoulou:2012:FMO

[ABK12] D. C. Antonopoulou, D. Blömker, and G. D. Karali. Front motion in the one-dimensional stochastic Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 44(5): 3242–3280, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Acquistapace:2013:TIH

[ABL13] Paolo Acquistapace, Francesca Bucci, and Irena Lasiecka. A theory of the infinite horizon LQ-problem for composite systems of PDEs with boundary control. *SIAM Journal on Mathematical Analysis*, 45(3): 1825–1870, ???? 2013. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Agram:2019:SCO

[ABØP19] Nacira Agram, Achref Bachouch, Bernt Øksendal, and Frank Proske. Singular control optimal stopping of memory mean-field processes. *SIAM Journal on Mathematical Analysis*, 51(1):450–468, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alfaro:2017:ECS

[ABR17] Matthieu Alfaro, Henri Berestycki, and Gaël Raoul. The effect of climate shift on a species submitted to dispersion, evolution, growth, and nonlocal competition. *SIAM Journal on Mathematical Analysis*, 49(1):562–596, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Agueh:2011:BWS

[AC11] Martial Agueh and Guillaume Carlier. Barycenters in the Wasserstein space. *SIAM Journal on Mathematical Analysis*, 43(2):904–924, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p904_s1`.

Alberti:2014:ERT

[AC14] Giovanni S. Alberti and Yves Capdeboscq. Elliptic regularity theory applied to time harmonic anisotropic Maxwell's equations with less than Lipschitz complex coefficients. *SIAM Journal on Mathematical Analysis*, 46(1):998–1016, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alvarez-Caudevilla:2014:QAC

[ÁCDP14] Pablo Álvarez-Caudevilla, Yihong Du, and Rui Peng. Qualitative analysis of a cooperative reaction–diffusion system in a spatiotemporally degenerate environment. *SIAM Journal on Mathematical Analysis*, 46(1):499–531, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alibaud:2012:CDE

[ACJ12] Nathaël Alibaud, Simone Cifani, and Espen R. Jakobsen. Continuous dependence estimates for nonlinear fractional convection-diffusion equations. *SIAM Journal on Mathematical Analysis*, 44(2):603–632, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p603_s1`.

Andreu:2012:RSS

[ACM+12] F. Andreu, V. Caselles, J. M. Mazón, J. Soler, and M. Verbeni. Radially symmetric solutions of a tempered diffusion equation. A porous media, flux-limited case. *SIAM Journal on Mathematical Analysis*, 44(2):1019–1049, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ammari:2014:CHS

[ACZ14] Habib Ammari, Yat Tin Chow, and Jun Zou. The concept of heterogeneous scattering coefficients and its application in inverse medium scattering. *SIAM Journal on Mathematical Analysis*, 46(4): 2905–2935, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Armstrong:2015:LTB

[ADHZ15] Seth Armstrong, Sarah Duffin, Jianlong Han, and Chunlei Zhang. Long-term behavior and numerical analysis of a nonlocal evolution equation with Kac potential. *SIAM Journal on Mathematical Analysis*, 47(2):1234–1252, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alaifari:2015:AAS

[ADK15] Rima Alaifari, Michel Defrise, and Alexander Katsevich. Asymptotic analysis of the SVD for the truncated Hilbert transform with overlap. *SIAM Journal on Mathematical Analysis*, 47(1): 797–824, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Abels:2014:WPF

[ADL14] Helmut Abels, Georg Dolzmann, and YuNing Liu. Well-posedness of a fully coupled Navier–Stokes/Q-tensor system with inhomogeneous boundary data. *SIAM Journal on Mathematical Analysis*, 46(4):3050–3077, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alessandrini:2014:SDI

[ADMR14] Giovanni Alessandrini, Michele Di Cristo, Antonino Morassi, and Edi Rosset. Stable determination of an inclusion in an elastic body by boundary measurements. *SIAM Journal on Mathematical Analysis*, 46(4):2692–2729, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alphonse:2018:CLR

[AET18] Amal Alphonse, Charles M. Elliott, and Joana Terra. A coupled ligand-receptor bulk-surface system on a moving domain: Well posedness, regularity, and convergence to equilibrium. *SIAM Journal on Mathematical Analysis*, 50(2): 1544–1592, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alvarez:2015:EAV

[AF15] Felipe Alvarez and Salvador Flores. Existence and approximation for variational problems under uniform constraints on the gradient by power penalty. *SIAM Journal on Mathematical Analysis*, 47(5):3466–3487, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Abatangelo:2016:LTE

[AF16] Laura Abatangelo and Veronica Felli. On the leading term of the eigenvalue variation for Aharonov–Bohm operators with a moving pole. *SIAM Journal on Mathematical Analysis*, 48(4):2843–2868, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ammari:2017:BCP

[AF17] Zied Ammari and Marco Falconi. Bohr's correspondence principle for the renormalized Nelson model. *SIAM Journal on Mathematical Analysis*, 49(6):5031–5095, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ambartsoumian:2018:SFS

[AFK+18] G. Ambartsoumian, R. Felea, V. P. Krishnan, C. J. Nolan, and E. T. Quinto. Singular FIOs in SAR imaging, II: Transmitter and receiver at different speeds. *SIAM Journal on Mathematical Analysis*, 50(1):591–621, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Andreasson:2015:SSE

[AFT15] Håkan Andréasson, David Fajman, and Maximilian Thaller. Static solutions to the Einstein–Vlasov system with a nonvanishing cosmological constant. *SIAM Journal on Mathematical Analysis*, 47(4):2657–2688, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alicandro:2016:LNC

[AG16] Roberto Alicandro and Maria Stella Gelli. Local and nonlocal continuum limits of Ising-type energies for spin systems. *SIAM Journal on Mathematical Analysis*, 48(2): 895–931, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alaifari:2017:PRG

[AG17] Rima Alaifari and Philipp Grohs. Phase retrieval in the general setting of continuous frames for Banach spaces. *SIAM Journal on Mathematical Analysis*, 49(3): 1895–1911, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ancona:2019:KEC

[AGN19] Fabio Ancona, Olivier Glass, and Khai T. Nguyen. On Kolmogorov entropy compactness estimates for scalar conservation laws without uniform convexity. *SIAM Journal on Mathematical Analysis*, 51(4): 3020–3051, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ammari:2013:PDR

[AGS13] Habib Ammari, Josselin Garnier, and Knut Sølna. Partial data resolving power of conductivity imaging from boundary measurements. *SIAM Journal on Mathematical Analysis*, 45(3):1704–1722, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Allaire:2013:HCC

[AH13] Grégoire Allaire and Zakaria Habibi. Homogenization of a conductive, convective, and radiative heat transfer problem in a heterogeneous domain. *SIAM Journal on Mathematical Analysis*, 45(3): 1136–1178, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Almog:2016:SAC

[AH16] Yaniv Almog and Raphaël Henry. Spectral analysis of a complex Schrödinger operator in the semiclassical limit. *SIAM Journal on Mathematical Analysis*, 48(4): 2962–2993, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Adly:2018:ISP

[AH18] S. Adly and T. Haddad. An implicit sweeping process approach to quasistatic evolution variational inequalities. *SIAM Journal on Mathematical Analysis*, 50(1):761–778, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Adcock:2015:LSS

[AHKM15] Ben Adcock, Anders C. Hansen, Gitta Kutyniok, and Jackie Ma. Linear stable sampling rate: Optimality of 2D wavelet reconstructions from Fourier measurements. *SIAM Journal on Mathematical Analysis*, 47(2): 1196–1233, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Agram:2013:MPI

[AHØP13] N. Agram, S. Haadem, B. Øksendal, and F. Proske. A maximum principle for infinite horizon delay equations. *SIAM Journal on Mathematical Analysis*, 45(4): 2499–2522, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Adcock:2013:BCR

[AHP13a] Ben Adcock, Anders C. Hansen, and Clarice Poon. Beyond consistent reconstructions: Optimality and sharp bounds for generalized sampling, and application to the uniform resampling problem. *SIAM Journal on Mathematical Analysis*, 45(5):3132–3167, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Almog:2013:SNN

[AHP13b] Yaniv Almog, Bernard Helffer, and Xing-Bin Pan. Superconductivity near the normal state in a half-plane under the action of a perpendicular electric current and an induced magnetic field, Part II: The large conductivity limit. *SIAM Journal on Mathematical Analysis*, 44(6): 3671–3733, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ai:2010:TWM

[Ai10] Shangbing Ai. Traveling waves for a model of a fungal disease over a vineyard. *SIAM Journal on Mathematical Analysis*, 42(2): 833–856, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Aiki:2012:SIB

[AI12] Masashi Aiki and Tatsuo Iguchi. Solvability of an initial-boundary value problem for a second order parabolic system with a third order dispersion term. *SIAM Journal on Mathematical Analysis*, 44(5):3388–3411, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alibaud:2010:APE

[AIK10] Nathael Alibaud, Cyril Imbert, and Grzegorz Karch. Asymptotic properties of entropy solutions to fractal Burgers equation. *SIAM Journal on Mathematical Analysis*, 42(1):354–376, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ahn:2017:LBM

[AKKL17] Jaewook Ahn, Kyungkeun Kang, Junha Kim, and Jihoon Lee. Lower bound of mass in a chemotactic model with advection and absorbing reaction. *SIAM Journal on Mathematical Analysis*, 49 (2):723–755, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ando:2017:SNP

[AKKY17] Kazunori Ando, Hyeonbae Kang, Kyoungsun Kim, and Sanghyeon Yu. Spectrum of Neumann–Poincaré operator on annuli and cloaking by anomalous localized resonance for linear elasticity. *SIAM Journal on Mathematical Analysis*, 49(5):4232–4250, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alonso:2010:FCH

[AL10] Ricardo J. Alonso and Bertrand Lods. Free cooling and high-energy tails of granular gases with variable restitution coefficient. *SIAM Journal on Mathematical Analysis*, 42(6): 2499–2538, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Aleksanyan:2016:SCP

[Ale16] Hayk Aleksanyan. Slow convergence in periodic homogenization problems for divergence-type elliptic operators. *SIAM Journal on Mathematical Analysis*, 48(5): 3345–3382, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Aujol:2010:EBI

[ALM10] Jean-François Aujol, Saïd Ladjal, and Simon Masnou. Exemplar-based inpainting from a variational point of view. *SIAM Journal on Mathematical Analysis*, 42(3): 1246–1285, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Almog:2017:CMF

[Alm17] Y. Almog. The Clausius–Mossotti formula for dilute random media of perfectly conducting inclusions. *SIAM Journal on Mathematical Analysis*, 49(4):2885–2919, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Allen:2015:TPF

[ALP15] Mark Allen, Erik Lindgren, and Arshak Petrosyan. The two-phase fractional obstacle problem. *SIAM Journal on Mathematical Analysis*, 47(3): 1879–1905, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Abels:2015:ADD

[ALS15] Helmut Abels, Kei Fong Lam, and Björn Stinner. Analysis of the diffuse domain approach for a bulk-surface coupled PDE system. *SIAM Journal on Mathematical Analysis*, 47(5):3687–3725, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Andreianov:2014:WPO

[ALST14] Boris Andreianov, Frédéric Lagoutière, Nicolas Seguin, and Takéo Takahashi. Well-posedness for a one-dimensional fluid-particle interaction model. *SIAM Journal on Mathematical Analysis*, 46(2):1030–1052, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2018:SPR

[aLW18] Lin an Li and Yi Wang. Stability of planar rarefaction wave to two-dimensional compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 50(5): 4937–4963, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ammari:2019:BWB

[ALZ19] Habib Ammari, Hyundae Lee, and Hai Zhang. Bloch waves in bubbly crystal near the first band gap: a high-frequency homogenization approach. *SIAM Journal on Mathematical Analysis*, 51(1): 45–59, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Andres:2015:TNE

[AM15] Fuensanta Andrés and Julio Munñoz. A type of nonlocal elliptic problem: Existence and approximation through a Galerkin–Fourier method. *SIAM Journal on Mathematical Analysis*, 47(1): 498–525, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Allaire:2010:HAD

[AMP10] Grégoire Allaire, Andro Mikelić, and Andrey Piatnitski. Homogenization approach to the dispersion theory for reactive transport through porous media. *SIAM Journal on Mathematical Analysis*, 42(1): 125–144, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Arrizabalaga:2015:SID

[AMV15] Naiara Arrizabalaga, Albert Mas, and Luis Vega. Shell interactions for Dirac operators: On the point spectrum and the confinement. *SIAM Journal on Mathematical Analysis*, 47(2):1044–1069, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Appleby:2010:ASR

[AMW10] John A. D. Appleby, Xuerong Mao, and Huizhong Wu. On the almost sure running maxima of solutions of affine stochastic functional differential equations. *SIAM Journal on Mathematical Analysis*, 42 (2):646–678, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ao:2011:TJS

[AMW11] Weiwei Ao, Monica Musso, and Juncheng Wei. Triple junction solutions for a singularly perturbed Neumann problem. *SIAM Journal on Mathematical Analysis*, 43(6): 2519–2541, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2519_s1`.

Arkeryd:2015:WPC

[AN15] Leif Arkeryd and Anne Nouri. Well-posedness of the Cauchy problem for a space-dependent anyon Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 47(6): 4720–4742, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Andrievskii:2012:AFR

[And12] Vladimir Andrievskii. Approximation of functions by reciprocals of polynomials on a quasi-smooth arc. *SIAM Journal on Mathematical Analysis*, 44(4):2329–2343, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Athanassoulis:2011:SPS

[AP11] Agissilaos Athanassoulis and Thierry Paul. Strong phase-space semiclassical asymptotics. *SIAM Journal on Mathematical Analysis*, 43(5): 2116–2149, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2116_s1`.

Ansini:2014:PLA

[AP14] Nadia Ansini and Francesca Prinari. Power-law approximation under differential constraints. *SIAM Journal on Mathematical Analysis*, 46(2): 1085–1115, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Akopyan:2015:MRC

[AP15] Arseniy Akopyan and Alexander Plakhov. Minimal resistance of curves under the single impact assumption. *SIAM Journal on Mathematical Analysis*, 47(4):2754–2769, ???? 2015. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Appleby:2018:GRS

[AP18] John A. D. Appleby and Denis D. Patterson. Growth rates of sublinear functional and Volterra differential equations. *SIAM Journal on Mathematical Analysis*, 50(2): 2086–2110, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Almeida:2019:ORP

[APSV19] Luis Almeida, Yannick Privat, Martin Strugarek, and Nicolas Vauchelet. Optimal releases for population replacement strategies: Application to *Wolbachia*. *SIAM Journal on Mathematical Analysis*, 51(4):3170–3194, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Antil:2019:SSN

[AR19] Harbir Antil and Carlos N. Rautenberg. Sobolev spaces with non-muckenhoupt weights, fractional elliptic operators, and applications. *SIAM Journal on Mathematical Analysis*, 51(3):2479–2503, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Arada:2016:GNF

[Ara16] Nadir Arada. On generalized Newtonian fluids in curved pipes. *SIAM Journal on Mathematical Analysis*, 48(2): 1210–1249, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Anma:2013:TTM

[AS13] Atsushi Anma and Kunimochi Sakamoto. Turing type mechanisms for linear diffusion systems under nondiagonal Robin boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(6): 3611–3628, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Akagi:2014:DNE

[AS14] Goro Akagi and Ulisse Stefanelli. Doubly nonlinear equations as convex minimization. *SIAM Journal on Mathematical Analysis*, 46(3): 1922–1945, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ambrose:2015:LET

[AS15] David M. Ambrose and Gideon Simpson. Local existence theory for derivative nonlinear Schrödinger equations with noninteger power nonlinearities. *SIAM Journal on Mathematical Analysis*, 47(3):2241–2264, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Aceves-Sanchez:2019:FDL

[ASC19] Pedro Aceves-Sanchez and Ludovic Cesbron. Fractional diffusion limit for a fractional Vlasov–Fokker–Planck equation. *SIAM Journal on Mathematical Analysis*, 51(1): 469–488, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ashton:2013:SDN

[Ash13] A. C. L. Ashton. The spectral Dirichlet–Neumann map for Laplace's equation in a convex polygon. *SIAM Journal on Mathematical Analysis*, 45(6): 3575–3591, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Aceves-Sanchez:2016:FDA

[ASS16] Pedro Aceves-Sánchez and Christian Schmeiser. Fractional-Diffusion–Advection limit of a kinetic model. *SIAM Journal on Mathematical Analysis*, 48(4):2806–2818, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Achdou:2010:TTC

[AT10] Yves Achdou and Nicoletta Tchou. Trace theorems for a class of ramified domains with self-similar fractal boundaries. *SIAM Journal on Mathematical Analysis*, 42(4):1449–1482, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Andreucci:2014:CDP

[AT14] Daniele Andreucci and Anatoli F. Tedeev. The Cauchy–Dirichlet problem for the porous media equation in cone-like domains. *SIAM Journal on Mathematical Analysis*, 46(2):1427–1455, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alves:2019:MUS

[ATSR19] Michele O. Alves, Eduardo H. Gomes Tavares, Marcio A. Jorge Silva, and José H. Rodrigues. On modeling and uniform stability of a partially dissipative viscoelastic Timoshenko system. *SIAM Journal on Mathematical Analysis*, 51(6):4520–4543, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Audiard:2012:DSE

[Aud12] Corentin Audiard. Dispersive smoothing for the Euler–Korteweg model. *SIAM Journal on Mathematical Analysis*, 44(4):3018–3040, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Amstutz:2016:AIO

[AV16] Samuel Amstutz and Nicolas Van Goethem. Analysis of the incompatibility operator and application in intrinsic elasticity with dislocations. *SIAM Journal on Mathematical Analysis*, 48(1): 320–348, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Agirre:2019:SLB

[AV19] Mikel Agirre and Luis Vega. Some lower bounds for solutions of Schrödinger evolutions. *SIAM Journal on Mathematical Analysis*, 51(4): 3324–3336, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Arrieta:2016:UOM

[AVP16] José M. Arrieta and Manuel Villanueva-Pesqueira. Unfolding operator method for thin domains with a locally periodic highly oscillatory boundary. *SIAM Journal on Mathematical Analysis*, 48(3):1634–1671, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ansini:2012:AAN

[AZ12] Nadia Ansini and Caterina Ida Zeppieri. Asymptotic analysis of nonsymmetric linear operators via Γ-convergence. *SIAM Journal on Mathematical Analysis*, 44 (3):1617–1635, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ammari:2017:EMT

[AZ17] Habib Ammari and Hai Zhang. Effective medium theory for acoustic waves in bubbly fluids near Minnaert resonant frequency. *SIAM Journal on Mathematical Analysis*, 49(4):3252–3276, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Banaji:2010:CSM

[BA10] Murad Banaji and David Angeli. Convergence in strongly monotone systems with an increasing first integral. *SIAM Journal on Mathematical Analysis*, 42(1):334–353, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See addendum [BA12].

Banaji:2012:ACS

[BA12] Murad Banaji and David Angeli. Addendum to "Convergence in Strongly Monotone Systems with an Increasing First Integral". *SIAM Journal on Mathematical Analysis*, 44 (1):536–537, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/

1/sjmaah/v44/i1/p536_s1. See [BA10].

Bao:2012:GPP

[BAC12] Weizhu Bao, Naoufel Ben Abdallah, and Yongyong Cai. Gross–Pitaevskii–Poisson equations for dipolar Bose–Einstein condensate with anisotropic confinement. *SIAM Journal on Mathematical Analysis*, 44(3):1713–1741, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ben-Artzi:2018:ALS

[BACP18] Jonathan Ben-Artzi, Simone Calogero, and Stephen Pankavich. Arbitrarily large solutions of the Vlasov–Poisson system. *SIAM Journal on Mathematical Analysis*, 50(4):4311–4326, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ben-Artzi:2017:IRV

[BAH17] Jonathan Ben-Artzi and Thomas Holding. Instabilities of the relativistic Vlasov–Maxwell system on unbounded domains. *SIAM Journal on Mathematical Analysis*, 49(5):4024–4063, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bal:2013:CTD

[BAP13] Guillaume Bal, Naoufel Ben Abdallah, and Marjolaine Puel. A corrector theory for diffusion-homogenization limits of linear transport equations. *SIAM Journal on Mathematical Analysis*, 44(6):3848–3873, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barekat:2014:CCM

[Bar14] Farzin Barekat. On the consistency of compressed modes for variational problems associated with the Schrödinger operator. *SIAM Journal on Mathematical Analysis*, 46(5):3568–3577, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Benbourhim:2010:MPP

[BB10a] M. N. Benbourhim and A. Bouhamidi. Meshless pseudo-polyharmonic divergence-free and curl-free vector fields approximation. *SIAM Journal on Mathematical Analysis*, 42(3):1218–1245, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bianchini:2010:EPF

[BB10b] S. Bianchini and A. Brancolini. Estimates on path functionals over Wasserstein spaces. *SIAM Journal on

Mathematical Analysis, 42(3): 1179–1217, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baudel:2017:STR

[BB17] Manon Baudel and Nils Berglund. Spectral theory for random Poincaré maps. *SIAM Journal on Mathematical Analysis*, 49(6):4319–4375, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ben-Benjamin:2018:WWF

[BBCD+18] J. S. Ben-Benjamin, L. Cohen, N. C. Dias, P. Loughlin, and J. N. Prata. What is the Wigner function closest to a given square integrable function? *SIAM Journal on Mathematical Analysis*, 50(5): 5161–5197, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bertini:2012:BEG

[BBG12] Lorenzo Bertini, Paolo Buttà, and Adriana Garroni. Boundary effects in the gradient theory of phase transitions. *SIAM Journal on Mathematical Analysis*, 44(2):926–945, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bianchini:2016:RAN

[BBG16] Stefano Bianchini, Paolo Bonicatto, and Nikolay A. Gusev. Renormalization for autonomous nearly incompressible BV vector fields in two dimensions. *SIAM Journal on Mathematical Analysis*, 48 (1):1–33, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bogosel:2017:OSM

[BBG17] B. Bogosel, D. Bucur, and A. Giacomini. Optimal shapes maximizing the Steklov eigenvalues. *SIAM Journal on Mathematical Analysis*, 49(2): 1645–1680, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellettini:2012:COD

[BBMN12] Giovanni Bellettini, Lorenzo Bertini, Mauro Mariani, and Matteo Novaga. Convergence of the one-dimensional Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 44(5):3458–3480, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Braun:2019:ECS

[BBO19] Julian Braun, Maciej Buze, and Christoph Ortner. The effect of crystal symmetries on the locality of screw dislocation cores. *SIAM Journal on*

Mathematical Analysis, 51(2): 1108–1136, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barreiro:2019:ACH

[BBR19] Andrea K. Barreiro, Jared C. Bronski, and Zoi Rapti. Applications of a class of Herglotz operator pencils. *SIAM Journal on Mathematical Analysis*, 51(1):256–275, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brasco:2011:BBA

[BBS11] L. Brasco, G. Buttazzo, and F. Santambrogio. A Benamou–Brenier approach to branched transport. *SIAM Journal on Mathematical Analysis*, 43(2):1023–1040, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p1023_s1`.

Bulicek:2016:UTS

[BBS16] M. Bulícek, J. Burczak, and S. Schwarzacher. A unified theory for some non-Newtonian fluids under singular forcing. *SIAM Journal on Mathematical Analysis*, 48(6): 4241–4267, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barbu:2014:SPE

[BBT14] Viorel Barbu, Stefano Bonaccorsi, and Luciano Tubaro. A stochastic parabolic equation with nonlinear flux on the boundary driven by a Gaussian noise. *SIAM Journal on Mathematical Analysis*, 46(1): 780–802, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bucur:2014:SOP

[BBV14] Dorin Bucur, Giuseppe Buttazzo, and Bozhidar Velichkov. Spectral optimization problems for potentials and measures. *SIAM Journal on Mathematical Analysis*, 46(4): 2956–2986, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Burchard:2011:CII

[BC11] Almut Burchard and Marina Chugunova. On computing the instability index of a non-self-adjoint differential operator associated with coating and rimming flows. *SIAM Journal on Mathematical Analysis*, 43(1):367–388, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p367_s1`.

Bonacini:2014:LGM

[BC14] M. Bonacini and R. Cristoferi. Local and global minimality results for a nonlocal isoperimetric problem on $\mathbf{R}^N$. *SIAM Journal on Mathematical Analysis*, 46(4):2310–2349, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellieud:2017:AAS

[BC17a] Michel Bellieud and Shane Cooper. Asymptotic analysis of stratified elastic media in the space of functions with bounded deformation. *SIAM Journal on Mathematical Analysis*, 49(5): 4275–4317, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Boussaid:2017:NAS

[BC17b] Nabile Boussaïd and Andrew Comech. Nonrelativistic asymptotics of solitary waves in the Dirac equation with soler-type nonlinearity. *SIAM Journal on Mathematical Analysis*, 49(4): 2527–2572, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Burtea:2017:LMG

[BC17c] Cosmin Burtea and Frédéric Charve. Lagrangian methods for a general inhomogeneous incompressible Navier–Stokes–Korteweg system with variable capillarity and viscosity coefficients. *SIAM Journal on Mathematical Analysis*, 49(5):3476–3495, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baspinar:2019:UVM

[BC19] E. Baspinar and G. Citti. Uniqueness of viscosity mean curvature flow solution in two sub-Riemannian structures. *SIAM Journal on Mathematical Analysis*, 51(3): 2633–2659, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Binev:2011:CRG

[BCD+11] Peter Binev, Albert Cohen, Wolfgang Dahmen, Ronald DeVore, Guergana Petrova, and Przemyslaw Wojtaszczyk. Convergence rates for greedy algorithms in reduced basis methods. *SIAM Journal on Mathematical Analysis*, 43(3): 1457–1472, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1457_s1`.

Bonito:2017:DCE

[BCD+17a] Andrea Bonito, Albert Cohen, Ronald DeVore, Guergana Petrova, and Gerrit Welper. Diffusion coefficients estimation for elliptic partial differential equations. *SIAM Journal on Mathematical Analysis*, 49(2): 1570–1592, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Breit:2017:TFK

[BCD17b] D. Breit, A. Cianchi, and L. Diening. Trace-free Korn inequalities in Orlicz spaces. *SIAM Journal on Mathematical Analysis*, 49(4):2496–2526, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bernardi:2016:CPI

[BCDG16] Christine Bernardi, Martin Costabel, Monique Dauge, and Vivette Girault. Continuity properties of the inf-sup constant for the divergence. *SIAM Journal on Mathematical Analysis*, 48(2): 1250–1271, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonheure:2018:OSS

[BCdSN18] Denis Bonheure, Jean-Baptiste Casteras, Ederson Moreira dos Santos, and Robson Nascimento. Orbitally stable standing waves of a mixed dispersion nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 50(5): 5027–5071, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bernard:2010:HLB

[BCG10] Etienne Bernard, Emanuele Caglioti, and François Golse. Homogenization of the linear Boltzmann equation in a domain with a periodic distribution of holes. *SIAM Journal on Mathematical Analysis*, 42(5):2082–2113, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Braukhoff:2020:CCD

[BCJ20] Marcel Braukhoff, Xiuqing Chen, and Ansgar Jüngel. Corrigendum: Cross Diffusion Preventing Blow-Up in the Two-Dimensional Keller–Segel Model. *SIAM Journal on Mathematical Analysis*, 52(2):2198–2200, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bisi:2011:UWI

[BCL11] Marzia Bisi, José A. Cañizo, and Bertrand Lods. Uniqueness in the weakly inelastic regime of the equilibrium state to the Boltzmann equation driven by a particle bath. *SIAM Journal on Mathematical Analysis*, 43(6): 2640–2674, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.`

siam.org/sima/resource/1/sjmaah/v43/i6/p2640_s1.

Bez:2018:SEK

[BCL18] Neal Bez, Jayson Cunanan, and Sanghyuk Lee. Smoothing estimates for the kinetic transport equation at the critical regularity. *SIAM Journal on Mathematical Analysis*, 50(2):2280–2294, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barles:2011:HFH

[BCN11] Guy Barles, Annalisa Cesaroni, and Matteo Novaga. Homogenization of fronts in highly heterogeneous media. *SIAM Journal on Mathematical Analysis*, 43(1):212–227, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p212_s1.

Barekat:2017:SCM

[BCO17] Farzin Barekat, Russel Caflisch, and Stanley Osher. On the support of compressed modes. *SIAM Journal on Mathematical Analysis*, 49(4):2573–2590, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bigot:2019:PBW

[BCP19] Jérémie Bigot, Elsa Cazelles, and Nicolas Papadakis. Penalization of barycenters in the Wasserstein space. *SIAM Journal on Mathematical Analysis*, 51(3):2261–2285, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brandle:2012:PTM

[BCQ12] Cristina Brändle, Emmanuel Chasseigne, and Fernando Quirós. Phase transitions with midrange interactions: a nonlocal Stefan model. *SIAM Journal on Mathematical Analysis*, 44(4):3071–3100, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Braides:2015:TCE

[BCS15] Andrea Braides, Marco Cicalese, and Francesco Solombrino. Q-tensor continuum energies as limits of head-to-tail symmetric spin systems. *SIAM Journal on Mathematical Analysis*, 47(4):2832–2867, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bal:2016:UMB

[BCS16] Guillaume Bal, Francis J. Chung, and John C. Schotland. Ultrasound modulated bioluminescence tomography and controllability of the radiative transport equation. *SIAM Journal on*

Mathematical Analysis, 48(2): 1332–1347, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Borrelli:2019:NDE

[BCT19] William Borrelli, Raffaele Carlone, and Lorenzo Tentarelli. Nonlinear Dirac equation on graphs with localized nonlinearities: Bound states and nonrelativistic limit. *SIAM Journal on Mathematical Analysis*, 51(2):1046–1081, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bevan:2018:CME

[BD18] Jonathan J. Bevan and Jonathan H. B. Deane. A calibration method for estimating critical cavitation loads from below in three dimensional nonlinear elasticity. *SIAM Journal on Mathematical Analysis*, 50(3):2566–2587, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barucq:2018:MDF

[BDEM18] Hélène Barucq, Rabia Djellouli, Elodie Estecahandy, and Mohand Moussaoui. Mathematical determination of the Fréchet derivative with respect to the domain for a fluid-structure scattering problem: Case of polygonal-shaped domains. *SIAM Journal on Mathematical Analysis*, 50(1):1010–1036, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Burger:2018:SPM

[BDFS18] Martin Burger, Marco Di Francesco, Simone Fagioli, and Angela Stevens. Sorting phenomena in a mathematical model for two mutually Attracting/Repelling species. *SIAM Journal on Mathematical Analysis*, 50(3): 3210–3250, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bogelein:2013:PMT

[BDG13] Verena Bögelein, Frank Duzaar, and Ugo Gianazza. Porous medium type equations with measure data and potential estimates. *SIAM Journal on Mathematical Analysis*, 45(6): 3283–3330, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Beretta:2016:IBV

[BdHFS16] Elena Beretta, Maarten V. de Hoop, Florian Faucher, and Otmar Scherzer. Inverse boundary value problem for the Helmholtz equation: Quantitative conditional Lipschitz stability estimates. *SIAM Journal on Mathematical Analysis*, 48(6):

3962–3983, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Beretta:2013:LSI

[BdHQ13] Elena Beretta, Maarten V. de Hoop, and Lingyun Qiu. Lipschitz stability of an inverse boundary value problem for a Schrödinger-Type equation. *SIAM Journal on Mathematical Analysis*, 45(2): 679–699, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Borthwick:2019:ESS

[BDLM19] David Borthwick, Roland Donninger, Enno Lenzmann, and Jeremy L. Marzuola. Existence and stability of Schrödinger solitons on noncompact manifolds. *SIAM Journal on Mathematical Analysis*, 51(5):3854–3901, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Burger:2010:NCD

[BDPS10] Martin Burger, Marco Di Francesco, Jan-Frederik Pietschmann, and Bärbel Schlake. Nonlinear cross-diffusion with size exclusion. *SIAM Journal on Mathematical Analysis*, 42(6): 2842–2871, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2842_s1`.

Bogelein:2018:EVS

[BDSS18] Verena Bögelein, Frank Duzaar, Christoph Scheven, and Thomas Singer. Existence of variational solutions in noncylindrical domains. *SIAM Journal on Mathematical Analysis*, 50(3):3007–3057, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonaccorsi:2012:ABC

[BDT12] Stefano Bonaccorsi, Giuseppe Da Prato, and Luciano Tubaro. Asymptotic behavior of a class of nonlinear stochastic heat equations with memory effects. *SIAM Journal on Mathematical Analysis*, 44(3): 1562–1587, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Burq:2012:WEE

[BDWZ12] Nicolas Burq, Semyon Dyatlov, Rachel Ward, and Maciej Zworski. Weighted eigenfunction estimates with applications to compressed sensing. *SIAM Journal on Mathematical Analysis*, 44(5):3481–3501, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bae:2014:SSS

[BDX14] Myoungjean Bae, Ben Duan, and Chunjing Xie. Subsonic solutions for steady Euler–Poisson system in two-dimensional nozzles. *SIAM Journal on Mathematical Analysis*, 46(5):3455–3480, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bebendorf:2016:LRA

[Beb16] Mario Bebendorf. Low-rank approximation of elliptic boundary value problems with high-contrast coefficients. *SIAM Journal on Mathematical Analysis*, 48(2): 932–949, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Beck:2018:ULS

[Bec18] Thomas Beck. Uniform level set estimates for ground state eigenfunctions. *SIAM Journal on Mathematical Analysis*, 50(4):4483–4502, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bahlali:2015:EUM

[BEH15] K. Bahlali, E. Essaky, and M. Hassani. Existence and uniqueness of multidimensional BSDEs and of systems of degenerate PDEs with superlinear growth generator. *SIAM Journal on Mathematical Analysis*, 47(6): 4251–4288, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellieud:2010:TEE

[Bel10] Michel Bellieud. Torsion effects in elastic composites with high contrast. *SIAM Journal on Mathematical Analysis*, 41(6):2514–2553, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellieud:2017:HSE

[Bel17] Michel Bellieud. Homogenization of stratified elastic composites with high contrast. *SIAM Journal on Mathematical Analysis*, 49(4): 2615–2665, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Benoit:2017:GOE

[Ben17] Antoine Benoit. Geometric optics expansions for hyperbolic corner problems II: From weak stability to violent instability. *SIAM Journal on Mathematical Analysis*, 49(5): 3335–3395, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bernard:2012:STE

[Ber12a] J.-M. Bernard. Steady transport equation in the case where the normal component of the velocity does not vanish on the boundary. *SIAM Journal on Mathematical Analysis*, 44(2):993–1018, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bernard:2012:PSG

[Ber12b] Jean-Marie Bernard. Problem of second grade fluids in convex polyhedrons. *SIAM Journal on Mathematical Analysis*, 44(3):2018–2038, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Berthelin:2017:TSM

[Ber17] F. Berthelin. Theoretical study of a multidimensional pressureless model with unilateral constraint. *SIAM Journal on Mathematical Analysis*, 49(3):2287–2320, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bessi:2012:CMV

[Bes12] Ugo Bessi. Chaotic motions for a version of the Vlasov equation. *SIAM Journal on Mathematical Analysis*, 44(4):2496–2525, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bessi:2016:ESM

[Bes16] Ugo Bessi. Existence of solutions of the master equation in the smooth case. *SIAM Journal on Mathematical Analysis*, 48(1):204–228, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Betermin:2016:TDT

[Bét16] Laurent Bétermin. Two-dimensional theta functions and crystallization among Bravais lattices. *SIAM Journal on Mathematical Analysis*, 48(5):3236–3269, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bevan:2011:ALM

[Bev11] J. J. Bevan. Austenite as a local minimizer in a model of material microstructure with a surface energy term. *SIAM Journal on Mathematical Analysis*, 43(2):1041–1073, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p1041_s1`.

Bernier:2019:EST

[BF19] Joackim Bernier and Erwan Faou. Existence and stability of traveling waves for discrete nonlinear Schrödinger equations over long times. *SIAM Journal on Mathe-*

matical Analysis, 51(3):1607–1656, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bidegaray-Fesquet:2013:NCD

[BFDJ13] Brigitte Bidégaray-Fesquet, Eric Dumas, and Guillaume James. From Newton's cradle to the discrete p-Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 45(6): 3404–3430, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bella:2017:SHL

[BFFO17] Peter Bella, Benjamin Fehrman, Julian Fischer, and Felix Otto. Stochastic homogenization of linear elliptic equations: Higher-order error estimates in weak norms via second-order correctors. *SIAM Journal on Mathematical Analysis*, 49(6):4658–4703, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Berninger:2013:DID

[BFG+13] H. Berninger, E. Frénod, M. Gander, M. Liebendörfer, and J. Michaud. Derivation of the Isotropic Diffusion Source Approximation (IDSA) for supernova neutrino transport by asymptotic expansions. *SIAM Journal on Mathematical Analysis*, 45(6): 3229–3265, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barcelo:2012:BAL

[BFGPE+12] Juan Antonio Barceló, Magali Folch-Gabayet, Salvador Pérez-Esteva, Alberto Ruiz, and Mari Cruz Vilela. A Born approximation for live loads in Navier elasticity. *SIAM Journal on Mathematical Analysis*, 44(4):2824–2846, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barcelo:2018:UIE

[BFGPE+18] J. A. Barceló, M. Folch-Gabayet, S. Pérez-Esteva, A. Ruiz, and M. C. Vilela. Uniqueness for inverse elastic medium problems. *SIAM Journal on Mathematical Analysis*, 50(4):3939–3962, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Biskup:2016:EFL

[BFK16] Marek Biskup, Ryoki Fukushima, and Wolfgang König. Eigenvalue fluctuations for lattice Anderson Hamiltonians. *SIAM Journal on Mathematical Analysis*, 48(4):2674–2700, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bella:2016:RJE

[BFLN16] Peter Bella, Eduard Feireisl, Marta Lewicka, and Antonín Novotný. A rigorous justification of the Euler and Navier–Stokes equations with geometric effects. *SIAM Journal on Mathematical Analysis*, 48(6): 3907–3930, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bouchitte:2012:OTT

[BFLS12] Guy Bouchitté, Ilaria Fragalà, Ilaria Lucardesi, and Pierre Seppecher. Optimal thin torsion rods and Cheeger sets. *SIAM Journal on Mathematical Analysis*, 44(1):483–512, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p483_s1.

Benesova:2018:EWS

[BFLS18] Barbora Benesová, Johannes Forster, Chun Liu, and Anja Schlömerkemper. Existence of weak solutions to an evolutionary model for magnetoelasticity. *SIAM Journal on Mathematical Analysis*, 50(1): 1200–1236, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Babadjian:2012:QSE

[BFM12] J.-F. Babadjian, G. A. Francfort, and M. G. Mora. Quasi-static evolution in nonassociative plasticity: The cap model. *SIAM Journal on Mathematical Analysis*, 44(1): 245–292, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p245_s1.

Bardos:2013:STD

[BFN+13] C. Bardos, M. C. Lopes Filho, Dongjuan Niu, H. J. Nussenzveig Lopes, and E. S. Titi. Stability of two-dimensional viscous incompressible flows under three-dimensional perturbations and inviscid symmetry breaking. *SIAM Journal on Mathematical Analysis*, 45(3):1871–1885, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barcelo:2013:RDB

[BFRV13] J. A. Barceló, Daniel Faraco, Alberto Ruiz, and Ana Vargas. Reconstruction of discontinuities from backscattering data in two dimensions. *SIAM Journal on Mathematical Analysis*, 45(6): 3494–3513, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bothe:2014:GWP

[BFS14] Dieter Bothe, André Fischer, and Jürgen Saal. Global well-posedness and stability of electrokinetic flows. *SIAM Journal on Mathematical Analysis*, 46(2):1263–1316, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bertsch:2018:WPM

[BFTT18] Michiel Bertsch, Bruno Franchi, Maria Carla Tesi, and Andrea Tosin. Well-posedness of a mathematical model for Alzheimer's disease. *SIAM Journal on Mathematical Analysis*, 50(3):2362–2388, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Beretta:2017:DDN

[BFV17] Elena Beretta, Elisa Francini, and Sergio Vessella. Differentiability of the Dirichlet to Neumann map under movements of polygonal inclusions with an application to shape optimization. *SIAM Journal on Mathematical Analysis*, 49(2):756–776, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Batenkov:2015:SME

[BFY15] Dmitry Batenkov, Omer Friedland, and Yosef Yomdin. Sampling, metric entropy, and dimensionality reduction. *SIAM Journal on Mathematical Analysis*, 47(1):786–796, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Berglund:2014:NIP

[BG14] Nils Berglund and Barbara Gentz. On the noise-induced passage through an unstable periodic orbit II: General case. *SIAM Journal on Mathematical Analysis*, 46(1):310–352, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bertagna:2017:WPC

[BG17] Luca Bertagna and Max Gunzburger. Well posedness of a coupled ICE-hydrology problem arising in glaciology. *SIAM Journal on Mathematical Analysis*, 49(2):699–722, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bessaih:2017:SLD

[BGAHS17] Hakima Bessaih, María J. Garrido-Atienza, Xiaoying Han, and Björn Schmalfuss. Stochastic lattice dynamical systems with fractional noise. *SIAM Journal on Mathematical Analysis*, 49(2):1495–1518, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bouin:2018:TFL

[BGHP18] Emeric Bouin, Jimmy Garnier, Christopher Henderson, and Florian Patout. Thin front limit of an integro-differential Fisher–KPP equation with fat-tailed kernels. *SIAM Journal on Mathematical Analysis*, 50(3):3365–3394, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bertozzi:2012:CRS

[BGL12] Andrea L. Bertozzi, John B. Garnett, and Thomas Laurent. Characterization of radially symmetric finite time blowup in multidimensional aggregation equations. *SIAM Journal on Mathematical Analysis*, 44(2):651–681, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p651_s1`.

Bulicek:2016:SDE

[BGL16] Miroslav Bulícek, Annegret Glitzky, and Matthias Liero. Systems describing electrothermal effects with $p(x)$-Laplacian-like structure for discontinuous variable exponents. *SIAM Journal on Mathematical Analysis*, 48(5):3496–3514, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bertozzi:2016:RBM

[BGLV16] A. Bertozzi, J. Garnett, T. Laurent, and J. Verdera. The regularity of the boundary of a multidimensional aggregation patch. *SIAM Journal on Mathematical Analysis*, 48(6):3789–3819, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonheure:2019:PST

[BGM19] Denis Bonheure, Filippo Gazzola, and Ederson Moreira Dos Santos. Periodic solutions and torsional instability in a nonlinear nonlocal plate equation. *SIAM Journal on Mathematical Analysis*, 51(4):3052–3091, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bulicek:2012:UFI

[BGMŚG12] Miroslav Bulícek, Piotr Gwiazda, Josef Málek, and Agnieszka Świerczewska-Gwiazda. On unsteady flows of implicitly constituted incompressible fluids. *SIAM Journal on Mathematical Analysis*, 44(4):2756–2801, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brzezniak:2014:MSB

[BGN14] Zdzisław Brzeźniak, Ben Goldys, and Misha Neklyudov. Multidimensional stochastic Burgers equation. *SIAM Journal on Mathematical Analysis*, 46(1):871–889, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bertsch:2019:MVS

[BGT19] Michiel Bertsch, Lorenzo Giacomelli, and Alberto Tesei. Measure-valued solutions to a nonlinear fourth-order regularization of forward-backward parabolic equations. *SIAM Journal on Mathematical Analysis*, 51(1): 374–402, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bressan:2011:OEM

[BH11] Alberto Bressan and Ke Han. Optima and equilibria for a model of traffic flow. *SIAM Journal on Mathematical Analysis*, 43(5):2384–2417, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2384_s1.

Bedrossian:2017:SBP

[BH17] Jacob Bedrossian and Siming He. Suppression of blow-up in Patlak–Keller–Segel via shear flows. *SIAM Journal on Mathematical Analysis*, 49(6): 4722–4766, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [BH18].

Bedrossian:2018:ESB

[BH18] Jacob Bedrossian and Siming He. Erratum: Suppression of Blow-Up in Patlak–Keller–Segel Via Shear Flows. *SIAM Journal on Mathematical Analysis*, 50(6):6365–6372, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [BH17].

Bae:2019:FBC

[BHK+19] Hyeong-Ohk Bae, Seung-Yeal Ha, Jeongho Kim, Dongnam Ko, and Sung-Ik Sohn. Flocking behaviors of a Cucker–Smale ensemble in a cylindrical domain. *SIAM Journal on Mathematical Analysis*, 51(3): 2390–2424, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bogosel:2018:MED

[BHL18] B. Bogosel, A. Henrot, and I. Lucardesi. Minimization of the eigenvalues of the Dirichlet–Laplacian with a diameter constraint. *SIAM Journal on Mathematical Analysis*, 50(5):5337–5361, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bouin:2017:EDE

[BHM17] Emeric Bouin, Franca Hoffmann, and Clément Mouhot. Exponential decay to equilibrium for a fiber lay-down process on a moving conveyor belt. *SIAM Journal on Mathematical Analysis*, 49(4): 3233–3251, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bennett:2018:GEA

[BHND18] T. Bennett, C. J. Howls, G. Nemes, and A. B. Olde Daalhuis. Globally exact asymptotics for integrals with arbitrary order saddles. *SIAM Journal on Mathematical Analysis*, 50(2):2144–2177, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bessaih:2016:ESS

[BHR16] Hakima Bessaih, Erika Hausenblas, and Paul A. Razafimandimby. Ergodicity of stochastic shell models driven by pure jump noise. *SIAM Journal on Mathematical Analysis*, 48(2):1423–1458, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Burger:2016:LFS

[BHRW16] Martin Burger, Sabine Hittmeir, Helene Ranetbauer, and Marie-Therese Wolfram. Lane formation by side-stepping. *SIAM Journal on Mathematical Analysis*, 48(2):981–1005, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Beck:2010:NSS

[BHSZ10] Margaret Beck, Hermen Jan Hupkes, Björn Sandstede, and Kevin Zumbrun. Nonlinear stability of semidiscrete shocks for two-sided schemes. *SIAM Journal on Mathematical Analysis*, 42(2): 857–903, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bressan:2012:CRV

[BHWY12] Alberto Bressan, Feimin Huang, Yong Wang, and Tong Yang. On the convergence rate of vanishing viscosity approximations for nonlinear hyperbolic systems. *SIAM Journal on Mathematical Analysis*, 44(5):3537–3563, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bianchini:2018:UAC

[Bia18] Roberta Bianchini. Uniform asymptotic and convergence estimates for the Jin–Xin model under the diffusion scaling. *SIAM Journal on Mathematical Analysis*, 50(2): 1877–1899, ???? 2018. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ballew:2016:BEC

[BIP16] Joshua Ballew, Gautam Iyer, and Robert L. Pego. Bose–Einstein condensation in a hyperbolic model for the Kompaneets equation. *SIAM Journal on Mathematical Analysis*, 48(6):3840–3859, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bal:2010:STD

[BJ10] Guillaume Bal and Alexandre Jollivet. Stability for time-dependent inverse transport. *SIAM Journal on Mathematical Analysis*, 42(2):679–700, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellazzini:2016:DQG

[BJ16] Jacopo Bellazzini and Louis Jeanjean. On dipolar quantum gases in the unstable regime. *SIAM Journal on Mathematical Analysis*, 48(3): 2028–2058, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bownik:2017:WB

[BJLO17] Marcin Bownik, Mads S. Jakobsen, Jakob Lemvig, and Kasso A. Okoudjou. On Wilson bases in $L^2(\mathbf{R}^d)$. *SIAM Journal on Mathematical Analysis*, 49(5):3999–4023, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bedrossian:2013:GEF

[BK13] Jacob Bedrossian and Inwon C. Kim. Global existence and finite time blow-up for critical Patlak–Keller–Segel models with inhomogeneous diffusion. *SIAM Journal on Mathematical Analysis*, 45(3):934–964, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Benesova:2015:GYM

[BK15a] Barbora Benesová and Malte Kampschulte. Gradient Young measures generated by quasi-conformal maps in the plane. *SIAM Journal on Mathematical Analysis*, 47(6): 4404–4435, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Biondini:2015:IST

[BK15b] Gino Biondini and Daniel Kraus. Inverse scattering transform for the defocusing Manakov system with nonzero boundary conditions. *SIAM Journal on Mathematical Analysis*, 47(1):706–757, ???? 2015. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Bellettini:2018:MMM

[BK18a] Giovanni Bellettini and Shokhrukh Yu. Kholmatov. Minimizing movements for mean curvature flow of partitions. *SIAM Journal on Mathematical Analysis*, 50(4):4117–4148, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Braides:2018:IRR

[BK18b] Andrea Braides and Leonard Kreutz. An integral-representation result for continuum limits of discrete energies with multibody interactions. *SIAM Journal on Mathematical Analysis*, 50(2):1485–1520, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baia:2018:GYM

[BKK18] Margarida Baía, Stefan Krömer, and Martin Kruzík. Generalized $W^{1,1}$–Young measures and relaxation of problems with linear growth. *SIAM Journal on Mathematical Analysis*, 50(1):1076–1119, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baroni:2018:EBR

[BKLU18] Paolo Baroni, Tuomo Kuusi, Casimir Lindfors, and José Miguel Urbano. Existence and boundary regularity for degenerate phase transitions. *SIAM Journal on Mathematical Analysis*, 50(1): 456–490, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bothe:2013:CEP

[BKP13] Dieter Bothe, Matthias Köhne, and Jan Prüss. On a class of energy preserving boundary conditions for incompressible Newtonian flows. *SIAM Journal on Mathematical Analysis*, 45(6):3768–3822, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonacini:2016:ODO

[BKR16] Marco Bonacini, Hans Knüpfer, and Matthias Röger. Optimal distribution of oppositely charged phases: Perfect screening and other properties. *SIAM Journal on Mathematical Analysis*, 48(2): 1128–1154, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barros:2011:SDC

[BL11] Jean F. Barros and Eduardo S. G. Leandro. The set of degenerate central configurations in the planar restricted four-body problem. *SIAM Journal on Mathematical Analysis*, 43(2):634–661, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p634_s1`.

Barros:2014:BEC

[BL14] Jean F. Barros and Eduardo S. G. Leandro. Bifurcations and enumeration of classes of relative equilibria in the planar restricted four-body problem. *SIAM Journal on Mathematical Analysis*, 46(2):1185–1203, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Buoso:2015:SSA

[BL15] Davide Buoso and Pier Domenico Lamberti. Shape sensitivity analysis of the eigenvalues of the Reissner–Mindlin system. *SIAM Journal on Mathematical Analysis*, 47(1):407–426, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Biswas:2019:MPA

[BL19] Anup Biswas and József Lörinczi. Maximum principles and Aleksandrov–Bakelman–Pucci type estimates for NonLocal Schrödinger equations with exterior conditions. *SIAM Journal on Mathematical Analysis*, 51(3):1543–1581, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Black:2018:GVW

[Bla18a] Tobias Black. Global very weak solutions to a chemotaxis-fluid system with nonlinear diffusion. *SIAM Journal on Mathematical Analysis*, 50(4):4087–4116, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Blaasten:2018:NST

[Blå18b] Eemeli Blåsten. Nonradiating sources and transmission eigenfunctions vanish at corners and edges. *SIAM Journal on Mathematical Analysis*, 50(6):6255–6270, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonnivard:2015:ALM

[BLS15] Matthieu Bonnivard, Antoine Lemenant, and Filippo Santambrogio. Approximation of length minimization problems among compact connected sets. *SIAM Journal on Mathematical Analysis*, 47(2):1489–1529, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Byeon:2019:FRP

[BLW19] Jaeyoung Byeon, Youngae Lee, and Zhi-Qiang Wang. Formation of radial patterns via mixed attractive and repulsive interactions for Schrödinger systems. *SIAM Journal on Mathematical Analysis*, 51(2): 1514–1542, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barchiesi:2016:BMH

[BLZ16] Marco Barchiesi, Giuliano Lazzaroni, and Caterina Ida Zeppieri. A bridging mechanism in the homogenization of brittle composites with soft inclusions. *SIAM Journal on Mathematical Analysis*, 48(2): 1178–1209, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellettini:2010:AHF

[BM10] Giovanni Bellettini and Luca Mugnai. Approximation of Helfrich's functional via diffuse interfaces. *SIAM Journal on Mathematical Analysis*, 42(6):2402–2433, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bal:2012:ITI

[BM12a] Guillaume Bal and François Monard. Inverse transport with isotropic time-harmonic sources. *SIAM Journal on Mathematical Analysis*, 44(1): 134–161, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p134_s1`.

Bessaih:2012:LDZ

[BM12b] Hakima Bessaih and Annie Millet. Large deviations and the zero viscosity limit for 2D stochastic Navier–Stokes equations with free boundary. *SIAM Journal on Mathematical Analysis*, 44(3):1861–1893, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ba:2015:SII

[BM15a] Moustapha Ba and Pierre Mathieu. A Sobolev inequality and the individual invariance principle for diffusions in a periodic potential. *SIAM Journal on Mathematical Analysis*, 47(3):2022–2043, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bucur:2015:SRS

[BM15b] Dorin Bucur and Dario Mazzoleni. A surgery result for the spectrum of the Dirichlet Laplacian. *SIAM Journal on Mathematical Analysis*, 47(6): 4451–4466, ???? 2015. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Butta:2018:LTE

[BM18] Paolo Buttà and Carlo Marchioro. Long time evolution of concentrated Euler flows with planar symmetry. *SIAM Journal on Mathematical Analysis*, 50(1):735–760, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brzezniak:2019:FDS

[BM19] Zdzisław Brzeźniak and Elzbieta Motyl. Fractionally dissipative stochastic quasi-geostrophic type equations on $\mathbf{R}^d$. *SIAM Journal on Mathematical Analysis*, 51(3):2306–2358, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellido:2014:ENV

[BMC14] José C. Bellido and Carlos Mora-Corral. Existence for nonlocal variational problems in peridynamics. *SIAM Journal on Mathematical Analysis*, 46(1):890–916, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellido:2018:LSR

[BMC18] José C. Bellido and Carlos Mora-Corral. Lower semicontinuity and relaxation via Young measures for nonlocal variational problems and applications to peridynamics. *SIAM Journal on Mathematical Analysis*, 50(1):779–809, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bandle:2016:SSS

[BMMP16] C. Bandle, P. Mastrolia, D. D. Monticelli, and F. Punzo. On the stability of solutions of semilinear elliptic equations with Robin boundary conditions on Riemannian manifolds. *SIAM Journal on Mathematical Analysis*, 48(1): 122–151, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bandle:2018:RDP

[BMP18] C. Bandle, D. D. Monticelli, and F. Punzo. Reaction-diffusion problems on time-dependent Riemannian manifolds: Stability of periodic solutions. *SIAM Journal on Mathematical Analysis*, 50(6): 6082–6099, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bronzi:2014:TSS

[BMR14] Anne C. Bronzi, Cecilia F. Mondaini, and Ricardo M. S. Rosa. Trajectory statistical solutions for three-dimensional Navier–Stokes-like systems. *SIAM Journal on Mathematical Analysis*,

46(3):1893–1921, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bermudez:2013:TEC

[BMSR+13] Alfredo Bermúdez, Rafael Munñoz-Sola, Carlos Reales, Rodolfo Rodríguez, and Pilar Salgado. A transient eddy current problem on a moving domain. mathematical analysis. *SIAM Journal on Mathematical Analysis*, 45(6): 3629–3650, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bensoussan:2016:NBV

[BMY16] A. Bensoussan, L. Mertz, and S. C. P. Yam. NonLocal boundary value problems of a stochastic variational inequality modeling an elasto-plastic oscillator excited by a filtered noise. *SIAM Journal on Mathematical Analysis*, 48(4): 2783–2805, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bressan:2014:GEW

[BN14] Alberto Bressan and Khai T. Nguyen. Global existence of weak solutions for the Burgers–Hilbert equation. *SIAM Journal on Mathematical Analysis*, 46(4):2884–2904, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonnaillie-Noel:2010:GVT

[BNDHV10] V. Bonnaillie-Noël, M. Dambrine, F. Hérau, and G. Vial. On generalized Ventcel's type boundary conditions for Laplace operator in a bounded domain. *SIAM Journal on Mathematical Analysis*, 42(2): 931–945, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Byun:2016:NPE

[BO16] Sun-Sig Byun and Jihoon Ok. Nonlinear parabolic equations with variable exponent growth in nonsmooth domains. *SIAM Journal on Mathematical Analysis*, 48(5): 3148–3190, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Berman:2019:PCC

[BÖ19] Robert J. Berman and Magnus Önnheim. Propagation of chaos for a class of first order models with singular mean field interactions. *SIAM Journal on Mathematical Analysis*, 51(1):159–196, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonnotte:2013:KRB

[Bon13] Nicolas Bonnotte. From Knothe's rearrangement to

Brenier's optimal transport map. *SIAM Journal on Mathematical Analysis*, 45(1): 64–87, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonafini:2018:VAF

[BOO18] Mauro Bonafini, Giandomenico Orlandi, and Édouard Oudet. Variational approximation of functionals defined on 1-dimensional connected sets: The planar case. *SIAM Journal on Mathematical Analysis*, 50(6):6307–6332, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Boros:2019:EPS

[Bor19] Balázs Boros. Existence of positive steady states for weakly reversible mass-action systems. *SIAM Journal on Mathematical Analysis*, 51(1): 435–449, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brenier:2011:UBC

[BOS11] Yann Brenier, Felix Otto, and Christian Seis. Upper bounds on coarsening rates in demixing binary viscous liquids. *SIAM Journal on Mathematical Analysis*, 43(1): 114–134, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p114_s1`.

Bostan:2012:TCP

[Bos12] Mihai Bostan. Transport of charged particles under fast oscillating magnetic fields. *SIAM Journal on Mathematical Analysis*, 44(3):1415–1447, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bostan:2016:MAL

[Bos16] Mihai Bostan. MultiScale analysis for linear first order PDEs. The finite Larmor radius regime. *SIAM Journal on Mathematical Analysis*, 48(3): 2133–2188, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baratchart:2017:BNP

[BOS17] Laurent Baratchart, Martine Olivi, and Fabien Seyfert. Boundary Nevanlinna–Pick interpolation with prescribed peak points. Application to impedance matching. *SIAM Journal on Mathematical Analysis*, 49(2):1131–1165, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bostan:2019:ABV

[Bos19] Mihai Bostan. Asymptotic behavior for the Vlasov–Poisson equations with strong external magnetic field. straight magnetic field lines. *SIAM Journal on Mathematical Analysis*, 51(3):2713–2747, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bouya:2013:IFM

[Bou13] Ismaël Bouya. Instability of the forced magnetohydrodynamics system at small Reynolds number. *SIAM Journal on Mathematical Analysis*, 45(1):307–323, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bourgeat:2010:ASR

[BP10] Alain Bourgeat and Andrey L. Piatnitski. Averaging of a singular random source term in a diffusion convection equation. *SIAM Journal on Mathematical Analysis*, 42(6): 2626–2651, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bertini:2012:VAS

[BP12a] Lorenzo Bertini and Marcello Ponsiglione. A variational approach to the stationary solutions of the Burgers equation. *SIAM Journal on Mathematical Analysis*, 44 (2):682–698, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p682_s1`.

Boukrouche:2012:AAM

[BP12b] Mahdi Boukrouche and Laetitia Paoli. Asymptotic analysis of a micropolar fluid flow in a thin domain with a free and rough boundary. *SIAM Journal on Mathematical Analysis*, 44(2):1211–1256, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bresch:2014:NLW

[BP14a] Didier Bresch and Christophe Prange. Newtonian limit for weakly viscoelastic fluid flows. *SIAM Journal on Mathematical Analysis*, 46(2): 1116–1159, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bulicek:2014:EAM

[BP14b] Miroslav Bulícek and Petra Pustejovská. Existence analysis for a model describing flow of an incompressible chemically reacting non-Newtonian fluid. *SIAM Journal on Mathematical Analysis*, 46(5): 3223–3240, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bae:2019:CDD

[BP19] Myoungjean Bae and Hyangdong Park. Contact discontinuities for 2-dimensional inviscid compressible flows in infinitely long nozzles. *SIAM Journal on Mathematical Analysis*, 51(3):1730–1760, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Braides:2015:HDH

[BPP15] Andrea Braides, Valeria Chiadò Piat, and Andrey Piatnitski. Homogenization of discrete high-contrast energies. *SIAM Journal on Mathematical Analysis*, 47(4):3064–3091, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bauer:2016:MCP

[BPS16] Sebastian Bauer, Dirk Pauly, and Michael Schomburg. The Maxwell compactness property in bounded weak Lipschitz domains with mixed boundary conditions. *SIAM Journal on Mathematical Analysis*, 48(4):2912–2943, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Batty:2019:OED

[BPS19] Charles Batty, Lassi Paunonen, and David Seifert. Optimal energy decay for the wave-heat system on a rectangular domain. *SIAM Journal on Mathematical Analysis*, 51 (2):808–819, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bredies:2015:CLS

[BPW15] Kristian Bredies, Thomas Pock, and Benedikt Wirth. A convex, lower semicontinuous approximation of Euler's elastica energy. *SIAM Journal on Mathematical Analysis*, 47 (1):566–613, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bulicek:2017:EAI

[BPZ17] Miroslav Bulícek, Milan Pokorný, and Nicola Zamponi. Existence analysis for incompressible fluid model of electrically charged chemically reacting and heat conducting mixtures. *SIAM Journal on Mathematical Analysis*, 49(5):3776–3830, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bronski:2011:CDM

[BR11] Jared C. Bronski and Zoi Rapti. Counting defect modes in periodic eigenvalue problems. *SIAM Journal on Mathematical Analysis*, 43(2): 803–827, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p803_s1`.

Baumle:2017:EWS

[BR17] E. Bäumle and M. Ruzicka. Existence of weak solutions for unsteady motions of micropolar electrorheological fluids. *SIAM Journal on Mathematical Analysis*, 49(1): 115–141, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barbu:2018:PRS

[BR18] Viorel Barbu and Michael Röckner. Probabilistic representation for solutions to nonlinear Fokker–Planck equations. *SIAM Journal on Mathematical Analysis*, 50(4): 4246–4260, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brandolese:2016:CSD

[Bra16] Lorenzo Brandolese. Characterization of solutions to dissipative systems with sharp algebraic decay. *SIAM Journal on Mathematical Analysis*, 48(3):1616–1633, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brezina:2013:ABS

[Bre13] Jan Brezina. Asymptotic behavior of solutions to the compressible Navier–Stokes equation around a time-periodic parallel flow. *SIAM Journal on Mathematical Analysis*, 45(6):3514–3574, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonder:2017:CRN

[BRS17] Julián Fernández Bonder, Antonella Ritorto, and Ariel Martin Salort. H-convergence result for nonlocal elliptic-type problems via Tartar's method. *SIAM Journal on Mathematical Analysis*, 49(4): 2387–2408, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bruveris:2016:ORS

[Bru16] Martins Bruveris. Optimal reparametrizations in the square root velocity framework. *SIAM Journal on Mathematical Analysis*, 48(6): 4335–4354, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bao:2016:PER

[BS16a] Jianhai Bao and Jinghai Shao. Permanence and extinction of regime-switching predator–prey models. *SIAM Journal on Mathematical Analysis*, 48 (1):725–739, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bartosz:2016:RMV

[BS16b] Krzysztof Bartosz and Mircea Sofonea. The Rothe method for variational-hemivariational inequalities with applications to contact mechanics. *SIAM Journal on Mathematical Analysis*, 48(2):861–883, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Balilescu:2017:FRS

[BST17a] Loredana Balilescu, Jorge San Martín, and Takéo Takahashi. Fluid-rigid structure interaction system with Coulomb's law. *SIAM Journal on Mathematical Analysis*, 49(6):4625–4657, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bertsch:2017:CFB

[BST17b] Michiel Bertsch, Flavia Smarrazzo, and Alberto Tesei. On a class of forward-backward parabolic equations: Properties of solutions. *SIAM Journal on Mathematical Analysis*, 49(3):2037–2060, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baskin:2016:SHF

[BSW16] Dean Baskin, Euan A. Spence, and Jared Wunsch. Sharp high-frequency estimates for the Helmholtz equation and applications to boundary integral equations. *SIAM Journal on Mathematical Analysis*, 48(1):229–267, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bianchini:2012:SRH

[BT12] Stefano Bianchini and Daniela Tonon. SBV regularity for Hamilton–Jacobi equations with Hamiltonian depending on (t, x). *SIAM Journal on Mathematical Analysis*, 44(3):2179–2203, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barles:2016:EUA

[BT16] Guy Barles and Erwin Topp. Existence, uniqueness, and asymptotic behavior for nonlocal parabolic problems with dominating gradient terms. *SIAM Journal on Mathematical Analysis*, 48(2):1512–1547, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Badra:2019:GRS

[BT19] Mehdi Badra and Takéo Takahashi. Gevrey regularity for a system coupling the Navier–Stokes system with a beam equation. *SIAM Journal on Mathematical Analysis*, 51(6):4776–4814, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bociu:2015:WPA

[BTZ15] Lorena Bociu, Daniel Toundykov, and Jean-Paul Zolésio. Well-posedness analysis for a linearization of a fluid-elasticity interaction. *SIAM Journal on Mathematical Analysis*, 47(3): 1958–2000, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Belishev:2010:PTD

[BV10] M. I. Belishev and A. F. Vakulenko. s-points in three-dimensional acoustical scattering. *SIAM Journal on Mathematical Analysis*, 42(6): 2703–2720, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baer:2013:BBT

[BV13] Eric Baer and Alexis Vasseur. A bound from below on the temperature for the Navier–Stokes–Fourier system. *SIAM Journal on Mathematical Analysis*, 45(4):2046–2063, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Buttazzo:2018:SOC

[BV18] Giuseppe Buttazzo and Bozhidar Velichkov. A shape optimal control problem with changing sign data. *SIAM Journal on Mathematical Analysis*, 50(3):2608–2627, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Boeckle:2012:DES

[BW12] Christoph Boeckle and Peter Wittwer. Decay estimates for steady solutions of the Navier–Stokes equations in two dimensions in the presence of a Wall. *SIAM Journal on Mathematical Analysis*, 44(5):3346–3368, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brancolini:2017:OES

[BW17] Alessio Brancolini and Benedikt Wirth. Optimal energy scaling for micropatterns in transport networks. *SIAM Journal on Mathematical Analysis*, 49 (1):311–359, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Berestycki:2014:ESA

[BWW14] Henri Berestycki, Juncheng Wei, and Matthias Winter. Existence of symmetric and asymmetric spikes for a crime hotspot model. *SIAM Journal on Mathematical Analysis*, 46 (1):691–719, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bingbing:2015:SDS

[BYH15] Ding Bingbing, Liu Yingbo, and Yin Huicheng. The small data solutions of general 3D quasilinear wave equations. I. *SIAM Journal on Mathematical Analysis*, 47(6): 4192–4228, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bao:2012:SSL

[BYZ12] Gang Bao, KiHyun Yun, and Zhengfang Zhou. Stability of the scattering from a large electromagnetic cavity in two dimensions. *SIAM Journal on Mathematical Analysis*, 44(1): 383–404, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p383_s1`.

Calvo:2015:ACD

[Cal15] Juan Calvo. Analysis of a class of degenerate parabolic equations with saturation mechanisms. *SIAM Journal on Mathematical Analysis*, 47 (4):2917–2951, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cances:2010:ABTa

[Can10a] Clément Cancès. Asymptotic behavior of two-phase flows in heterogeneous porous media for capillarity depending only on space. I. Convergence to the optimal entropy solution. *SIAM Journal on Mathematical Analysis*, 42(2): 946–971, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cances:2010:ABTb

[Can10b] Clément Cancès. Asymptotic behavior of two-phase flows in heterogeneous porous media for capillarity depending only on space. II. Nonclassical shocks to model oil-trapping. *SIAM Journal on Mathematical Analysis*, 42(2): 972–995, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cao:2019:RBE

[Cao19] Yunbai Cao. Regularity of Boltzmann equation with external fields in convex domains of diffuse reflection. *SIAM Journal on Mathematical Analysis*, 51(4):3195–3275, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carbou:2014:MWC

[Car14] Gilles Carbou. Metastability of wall configurations in ferromagnetic nanowires. *SIAM Journal on Mathematical Analysis*, 46(1):45–95, ???? 2014. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Cavalletti:2012:OTB

[Cav12] Fabio Cavalletti. Optimal transport with branching distance costs and the obstacle problem. *SIAM Journal on Mathematical Analysis*, 44(1): 454–482, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p454_s1`.

Chermisi:2010:MRN

[CC10] Milena Chermisi and Sergio Conti. Multiwell rigidity in nonlinear elasticity. *SIAM Journal on Mathematical Analysis*, 42(5):1986–2012, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chesnel:2011:CIE

[CC11] Lucas Chesnel and Patrick Ciarlet, Jr. Compact imbeddings in electromagnetism with interfaces between classical materials and metamaterials. *SIAM Journal on Mathematical Analysis*, 43(5): 2150–2169, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2150_s1`.

Cheng:2017:RTM

[CCC+17] Bin Cheng, Jingrui Cheng, Michael Cullen, John Norbury, and Matthew Turner. A rigorous treatment of moist convection in a single column. *SIAM Journal on Mathematical Analysis*, 49(5): 3854–3892, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cacace:2018:DMG

[CCC18a] Simone Cacace, Fabio Camilli, and Lucilla Corrias. A differential model for growing sandpiles on networks. *SIAM Journal on Mathematical Analysis*, 50(3):2509–2535, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cherdantsev:2018:ELE

[CCC18b] Mikhail Cherdantsev, Kirill Cherednichenko, and Shane Cooper. Extreme localization of eigenfunctions to one-dimensional high-contrast periodic problems with a defect. *SIAM Journal on Mathematical Analysis*, 50(6):5825–5856, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Calleja:2017:RSQ

[CCCdlL17] Renato C. Calleja, Alessandra Celletti, Livia Corsi, and

Rafael de la Llave. Response solutions for quasi-periodically forced, dissipative wave equations. *SIAM Journal on Mathematical Analysis*, 49(4):3161–3207, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Calleja:2014:EGC

[CCFdlL14] Renato C. Calleja, Alessandra Celletti, Corrado Falcolini, and Rafael de la Llave. An extension of Greene's criterion for conformally symplectic systems and a partial justification. *SIAM Journal on Mathematical Analysis*, 46(4): 2350–2384, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cakoni:2010:ITE

[CCG10] Fioralba Cakoni, David Colton, and Drossos Gintides. The interior transmission eigenvalue problem. *SIAM Journal on Mathematical Analysis*, 42(6): 2912–2921, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2912_s1.

Chen:2018:MVS

[CCG18] Yongxin Chen, Giovanni Conforti, and Tryphon T. Georgiou. Measure-valued spline curves: an optimal transport viewpoint. *SIAM Journal on Mathematical Analysis*, 50(6): 5947–5968, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cakoni:2010:ITP

[CCH10] Fioralba Cakoni, David Colton, and Houssem Haddar. The interior transmission problem for regions with cavities. *SIAM Journal on Mathematical Analysis*, 42(1): 145–162, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2018:HDB

[CCHR18] Chao-Nien Chen, Yung-Sze Choi, Yeyao Hu, and Xiaofeng Ren. Higher dimensional bubble profiles in a sharp interface limit of the FitzHugh–Nagumo system. *SIAM Journal on Mathematical Analysis*, 50(5):5072–5095, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chang:2018:MME

[CCK18] TongKeun Chang, Hi Jun Choe, and Kyungkeun Kang. On maximum modulus estimates of the Navier–Stokes equations with nonzero boundary data. *SIAM Journal on Mathematical Analysis*, 50(3): 3147–3171, ???? 2018. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Carvalho:2013:RID

[CCLCP13] A. N. Carvalho, J. W. Cholewa, G. Lozada-Cruz, and M. R. T. Primo. Reduction of infinite dimensional systems to finite dimensions: Compact convergence approach. *SIAM Journal on Mathematical Analysis*, 45(2): 600–638, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Corbera:2015:BRE

[CCLM15] Montserrat Corbera, Josep Cors, Jaume Llibre, and Richard Moeckel. Bifurcation of relative equilibria of the (1 + 3)-body problem. *SIAM Journal on Mathematical Analysis*, 47(2):1377–1404, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cantrell:2012:GBS

[CCM12] Robert Stephen Cantrell, Chris Cosner, and Raúl Manásevich. Global bifurcation of solutions for crime modeling equations. *SIAM Journal on Mathematical Analysis*, 44(3):1340–1358, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Caprino:2014:MCP

[CCM14] Silvia Caprino, Guido Cavallaro, and Carlo Marchioro. On a magnetically confined plasma with infinite charge. *SIAM Journal on Mathematical Analysis*, 46(1):133–164, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Coclite:2016:MEM

[CCM16] G. M. Coclite, M. M. Coclite, and S. Mishra. On a model for the evolution of morphogens in a growing tissue. *SIAM Journal on Mathematical Analysis*, 48(3):1575–1615, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cannarsa:2019:GGC

[CCMW19] Piermarco Cannarsa, Wei Cheng, Marco Mazzola, and Kaizhi Wang. Global generalized characteristics for the Dirichlet problem for Hamilton–Jacobi equations at a supercritical energy level. *SIAM Journal on Mathematical Analysis*, 51(5):4213–4244, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cacciapuoti:2017:ODD

[CCNP17] Claudio Cacciapuoti, Raffaele Carlone, Diego Noja, and Andrea Posilicano. The one-dimensional Dirac equation with concentrated nonlinearity. *SIAM Journal on Mathematical Analysis*, 49(3):2246–2268, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carrillo:2015:GSD

[CCV15] José Antonio Carrillo, Daniele Castorina, and Bruno Volzone. Ground states for diffusion dominated free energies with logarithmic interaction. *SIAM Journal on Mathematical Analysis*, 47(1):1–25, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Crasta:2011:CRF

[CD11] Graziano Crasta and Virginia De Cicco. A chain rule formula in the space BV and applications to conservation laws. *SIAM Journal on Mathematical Analysis*, 43(1): 430–456, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p430_s1`.

Cioranescu:2012:PUM

[CDD+12] D. Cioranescu, A. Damlamian, P. Donato, G. Griso, and R. Zaki. The periodic unfolding method in domains with holes. *SIAM Journal on Mathematical Analysis*, 44(2): 718–760, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cordero:2018:SCI

[CdGDN18] Elena Cordero, Maurice de Gosson, Monika Dörfler, and Fabio Nicola. On the symplectic covariance and interferences of time-frequency distributions. *SIAM Journal on Mathematical Analysis*, 50(2): 2178–2193, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Conti:2011:ABC

[CDK11] Sergio Conti, Georg Dolzmann, and Carolin Kreisbeck. Asymptotic behavior of crystal plasticity with one slip system in the limit of rigid elasticity. *SIAM Journal on Mathematical Analysis*, 43(5): 2337–2353, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2337_s1`.

Cacciafesta:2016:HDE

[CDL16] Federico Cacciafesta, Piero D'Ancona, and Renato Lucà. Helmholtz and dispersive equations with variable coefficients on exterior domains. *SIAM Journal on Mathematical Analysis*, 48(3):1798–1832, ???? 2016. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Casado-Diaz:2013:ABN

[CDLLSG13] J. Casado-Díaz, M. Luna-Laynez, and F. J. Suárez-Grau. Asymptotic behavior of the Navier–Stokes system in a thin domain with Navier condition on a slightly rough boundary. *SIAM Journal on Mathematical Analysis*, 45(3): 1641–1674, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2013:ITL

[CDM13] Li Chen, Donatella Donatelli, and Pierangelo Marcati. Incompressible type limit analysis of a hydrodynamic model for charge-carrier transport. *SIAM Journal on Mathematical Analysis*, 45(3):915–933, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cesaroni:2016:HMF

[CDM16] Annalisa Cesaroni, Nicolas Dirr, and Claudio Marchi. Homogenization of a mean field game system in the small noise limit. *SIAM Journal on Mathematical Analysis*, 48(4): 2701–2729, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cardone:2010:LEE

[CDN10] G. Cardone, T. Durante, and S. A. Nazarov. The localization effect for eigenfunctions of the mixed boundary value problem in a thin cylinder with distorted ends. *SIAM Journal on Mathematical Analysis*, 42(6):2581–2609, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cicalese:2016:GST

[CDNP16] M. Cicalese, L. De Luca, M. Novaga, and M. Ponsiglione. Ground states of a two phase model with cross and self attractive interactions. *SIAM Journal on Mathematical Analysis*, 48(5): 3412–3443, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carlier:2017:CES

[CDPS17] Guillaume Carlier, Vincent Duval, Gabriel Peyré, and Bernhard Schmitzer. Convergence of entropic schemes for optimal transport and gradient flows. *SIAM Journal on Mathematical Analysis*, 49(2): 1385–1418, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choquet:2017:MAS

[CDR17] C. Choquet, M. M. Diédhiou, and C. Rosier. Mathematical analysis of a seawater intrusion model including storativity. *SIAM Journal on Mathematical Analysis*, 49(1): 29–63, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carles:2010:MWN

[CDS10] Rémi Carles, Eric Dumas, and Christof Sparber. Multiphase weakly nonlinear geometric optics for Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 42(1): 489–518, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Colombo:2019:CMO

[CDS19] Maria Colombo, Simone Di Marino, and Federico Stra. Continuity of multimarginal optimal transport with repulsive cost. *SIAM Journal on Mathematical Analysis*, 51(4): 2903–2926, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cazenave:2013:FTB

[CDW13] Thierry Cazenave, Flávio Dickstein, and Fred B. Weissler. Finite-time blowup for a complex Ginzburg–Landau equation. *SIAM Journal on Mathematical Analysis*, 45(1):244–266, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2012:GSS

[CDX12] Gui-Qiang G. Chen, Xuemei Deng, and Wei Xiang. Global steady subsonic flows through infinitely long nozzles for the full Euler equations. *SIAM Journal on Mathematical Analysis*, 44(4): 2888–2919, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheng:2017:IRF

[CDX17] Jianfeng Cheng, Lili Du, and Wei Xiang. Incompressible Réthy flows in two dimensions. *SIAM Journal on Mathematical Analysis*, 49(5): 3427–3475, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2013:ADS

[CDZ13] Guanggan Chen, Jinqiao Duan, and Jian Zhang. Approximating dynamics of a singularly perturbed stochastic wave equation with a random dynamical boundary condition. *SIAM Journal on Mathematical Analysis*, 45(5): 2790–2814, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Calder:2014:HJE

[CEH14] Jeff Calder, Selim Esedoḡlu, and Alfred O. Hero. A Hamilton–Jacobi equation for the continuum limit of non-dominated sorting. *SIAM Journal on Mathematical Analysis*, 46(1):603–638, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Constantin:2017:RIL

[CEIV17] Peter Constantin, Tarek Elgindi, Mihaela Ignatova, and Vlad Vicol. Remarks on the inviscid limit for the Navier–Stokes equations for uniformly bounded velocity fields. *SIAM Journal on Mathematical Analysis*, 49(3): 1932–1946, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cortazar:2016:ABO

[CEQW16] Carmen Cortázar, Manuel Elgueta, Fernando Quirós, and Noemí Wolanski. Asymptotic behavior for a one-dimensional nonlocal diffusion equation in exterior domains. *SIAM Journal on Mathematical Analysis*, 48(3): 1549–1574, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cerrai:2011:APS

[Cer11] Sandra Cerrai. Averaging principle for systems of reaction–diffusion equations with polynomial nonlinearities perturbed by multiplicative noise. *SIAM Journal on Mathematical Analysis*, 43(6): 2482–2518, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2482_s1`.

Cesana:2011:NEG

[Ces11] Pierluigi Cesana. Nematic elastomers: Gamma-limits for large bodies and small particles. *SIAM Journal on Mathematical Analysis*, 43(5): 2354–2383, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2354_s1`.

Chen:2011:AAN

[CF11] Xinfu Chen and Avner Friedman. Asymptotic analysis for the narrow escape problem. *SIAM Journal on Mathematical Analysis*, 43(6):2542–2563, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2542_s1`.

Calsina:2014:PSS

[CF14] Àngel Calsina and József Z. Farkas. Positive steady states of evolution equations with finite dimensional nonlinearities. *SIAM Journal on Mathematical Analysis*, 46(2):1406–1426, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Crevat:2019:RDN

[CFF19] Joachim Crevat, Grégory Faye, and Francis Filbet. Rigorous derivation of the nonlocal reaction-diffusion Fitzhugh–Nagumo system. *SIAM Journal on Mathematical Analysis*, 51(1):346–373, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2017:BWS

[CFGL17] Robin Ming Chen, Lili Fan, Hongjun Gao, and Yue Liu. Breaking waves and solitary waves to the rotation-two-component Camassa–Holm system. *SIAM Journal on Mathematical Analysis*, 49(5):3573–3602, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cicalese:2019:VAT

[CFO19] Marco Cicalese, Marwin Forster, and Gianluca Orlando. Variational analysis of a two-dimensional frustrated spin system: Emergence and rigidity of chirality transitions. *SIAM Journal on Mathematical Analysis*, 51(6):4848–4893, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carrillo:2010:AFD

[CFRT10] J. A. Carrillo, M. Fornasier, J. Rosado, and G. Toscani. Asymptotic flocking dynamics for the kinetic Cucker–Smale model. *SIAM Journal on Mathematical Analysis*, 42(1):218–236, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carrillo:2018:SSS

[CFSS18] J. A. Carrillo, S. Fagioli, F. Santambrogio, and M. Schmidtchen. Splitting schemes and segregation in reaction cross-diffusion systems. *SIAM Journal on Mathematical Analysis*, 50(5):5695–5718, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Claeys:2010:SAK

[CG10a] Tom Claeys and Tamara Grava. Solitonic asymptotics for the Korteweg–de Vries equation in the small dispersion limit. *SIAM Journal on Mathematical Analysis*, 42(5):2132–2154, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Coclite:2010:VVT

[CG10b] G. M. Coclite and M. Garavello. Vanishing viscosity for traffic on networks. *SIAM Journal on Mathematical Analysis*, 42(4):1761–1783, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cowan:2010:EPD

[CG10c] Craig Cowan and Nassif Ghoussoub. Estimates on pull-in distances in microelectromechanical systems models and other nonlinear eigenvalue problems. *SIAM Journal on Mathematical Analysis*, 42(5):1949–1966, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Colombo:2011:STB

[CG11] Maria Colombo and Massimo Gobbino. Slow time behavior of the semidiscrete Perona–Malik scheme in one dimension. *SIAM Journal on Mathematical Analysis*, 43(6):2564–2600, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2564_s1`.

Cirant:2019:EUS

[CG19] Marco Cirant and Alessandro Goffi. On the existence and uniqueness of solutions to time-dependent fractional MFG. *SIAM Journal on Mathematical Analysis*, 51(2):913–954, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cakoni:2010:EID

[CGH10] Fioralba Cakoni, Drossos Gintides, and Houssem Haddar. The existence of an infinite discrete set of transmission eigenvalues. *SIAM Journal on Mathematical Analysis*, 42(1):237–255, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Craig:2018:BTS

[CGLS18] Walter Craig, Maxime Gazeau, Christophe Lacave, and Catherine Sulem. Bloch theory and spectral gaps for linearized water waves. *SIAM Journal on Mathematical Analysis*, 50(5):5477–5501, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cakoni:2016:HSS

[CGM16] Fioralba Cakoni, Bojan B. Guzina, and Shari Moskow. On the homogenization of a scalar scattering problem for highly oscillating anisotropic media. *SIAM Journal on Mathematical Analysis*, 48(4):2532–2560, ???? 2016. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Chen:2013:WPR

[CGP13] Qingshan Chen, Max Gunzburger, and Mauro Perego. Well-posedness results for a nonlinear Stokes problem arising in glaciology. *SIAM Journal on Mathematical Analysis*, 45(5):2710–2733, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carlier:2010:KTB

[CGS10] G. Carlier, A. Galichon, and F. Santambrogio. From Knothe's transport to Brenier's map and a continuation method for optimal transport. *SIAM Journal on Mathematical Analysis*, 41(6): 2554–2576, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Colli:2017:GEN

[CGS17] Pierluigi Colli, Gianni Gilardi, and Jürgen Sprekels. Global existence for a nonstandard viscous Cahn–Hilliard system with dynamic boundary condition. *SIAM Journal on Mathematical Analysis*, 49(3): 1732–1760, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cagnetti:2011:AMM

[CGT11] F. Cagnetti, D. Gomes, and H. V. Tran. Aubry–Mather measures in the nonconvex setting. *SIAM Journal on Mathematical Analysis*, 43(6): 2601–2629, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2601_s1`.

Choi:2011:ABN

[CH11a] Sun-Ho Choi and Seung-Yeal Ha. Asymptotic behavior of the nonlinear Vlasov equation with a self-consistent force. *SIAM Journal on Mathematical Analysis*, 43(5): 2050–2077, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2050_s1`.

Cossonniere:2011:EIT

[CH11b] Anne Cossonnière and Houssem Haddar. The electromagnetic interior transmission problem for regions with cavities. *SIAM Journal on Mathematical Analysis*, 43(4):1698–1715, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1698_s1`.

Charve:2013:EGS

[CH13] Frédéric Charve and Boris Haspot. Existence of a global strong solution and vanishing capillarity-viscosity limit in one dimension for the Korteweg system. *SIAM Journal on Mathematical Analysis*, 45 (2):469–494, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2015:SMV

[CH15] I-Kun Chen and Chun-Hsiung Hsia. Singularity of macroscopic variables near boundary for gases with cutoff hard potential. *SIAM Journal on Mathematical Analysis*, 47(6): 4332–4349, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choi:2019:HCS

[CH19a] Young-Pil Choi and Jan Haskovec. Hydrodynamic Cucker–Smale model with normalized communication weights and time delay. *SIAM Journal on Mathematical Analysis*, 51(3):2660–2685, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Claeys:2019:FKB

[CH19b] Xavier Claeys and Ralf Hiptmair. First-kind boundary integral equations for the Hodge–Helmholtz operator. *SIAM Journal on Mathematical Analysis*, 51(1): 197–227, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chae:2014:TES

[Cha14] Dongho Chae. On the transport equations with singular/regular nonlocal velocities. *SIAM Journal on Mathematical Analysis*, 46(2):1017–1029, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheng:2012:SLC

[Che12] Bin Cheng. Singular limits and convergence rates of compressible Euler and rotating shallow water equations. *SIAM Journal on Mathematical Analysis*, 44(2): 1050–1076, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheng:2014:IAI

[Che14] Bin Cheng. Improved accuracy of incompressible approximation of compressible Euler equations. *SIAM Journal on Mathematical Analysis*, 46(6): 3838–3864, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2015:BRO

[Che15] Shibing Chen. Boundary $C^{1,\alpha}$ regularity of an optimal transport problem with cost close to $-x \cdot y$. *SIAM Journal on Mathematical Analysis*, 47(4): 2689–2698, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2018:RSS

[Che18] I-Kun Chen. Regularity of stationary solutions to the linearized Boltzmann equations. *SIAM Journal on Mathematical Analysis*, 50(1): 138–161, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2019:BQG

[Che19] Qingshan Chen. The barotropic quasi-geostrophic equation under a free surface. *SIAM Journal on Mathematical Analysis*, 51(3):1836–1867, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Caraballo:2015:NCV

[CHK15] Tomás Caraballo, Xiaoying Han, and Peter E. Kloeden. Nonautonomous chemostats with variable delays. *SIAM Journal on Mathematical Analysis*, 47(3):2178–2199, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chaichenets:2019:KTO

[CHKP19] Leonid Chaichenets, Dirk Hundertmark, Peer Kunstmann, and Nikolaos Pattakos. Knocking out teeth in one-dimensional periodic nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 51(5): 3714–3749, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2015:FTS

[CHL15] Geng Chen, Tao Huang, and Chun Liu. Finite time singularities for hyperbolic systems. *SIAM Journal on Mathematical Analysis*, 47(1): 758–785, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choi:2017:TED

[CHL17] Mi-Ran Choi, Dirk Hundertmark, and Young-Ran Lee. Thresholds for existence of dispersion management solitons for general nonlinearities. *SIAM Journal on Mathematical Analysis*, 49(2):1519–1569, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cakoni:2019:FMF

[CHL19] Fioralba Cakoni, Houssem Haddar, and Armin Lechleiter. On the factorization method for a far field inverse scattering problem in the time domain. *SIAM Journal on Mathematical Analysis*, 51(2): 854–872, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carstea:2018:UIB

[CHN18] Catalin I. Cârstea, Naofumi Honda, and Gen Nakamura. Uniqueness in the inverse boundary value problem for piecewise homogeneous anisotropic elasticity. *SIAM Journal on Mathematical Analysis*, 50(3):3291–3302, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choi:2016:GCS

[Cho16] Young-Pil Choi. Global classical solutions and large-time behavior of the two-phase fluid model. *SIAM Journal on Mathematical Analysis*, 48(5): 3090–3122, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Coutand:2013:WPF

[CHS13a] Daniel Coutand, Jason Hole, and Steve Shkoller. Well-posedness of the free-boundary compressible 3-D Euler equations with surface tension and the zero surface tension limit. *SIAM Journal on Mathematical Analysis*, 45(6): 3690–3767, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cuesta:2013:TWK

[CHS13b] Carlota M. Cuesta, Sabine Hittmeir, and Christian Schmeiser. Traveling waves of a kinetic transport model for the KPP-fisher equation. *SIAM Journal on Mathematical Analysis*, 44(6):4128–4146, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choudhury:2018:NLC

[CHT18] Anupam Pal Choudhury, Amru Hussein, and Patrick Tolksdorf. Nematic liquid crystals in Lipschitz domains. *SIAM Journal on Mathematical Analysis*, 50(4):4282–4310, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chupin:2014:GER

[Chu14] Laurent Chupin. Global existence results for some viscoelastic models with an integral constitutive law. *SIAM Journal on Mathematical Analysis*, 46(3):1859–1873, ???? 2014. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Cao:2016:IIS

[CHW16] Wentao Cao, Feimin Huang, and Dehua Wang. Isometric immersion of surface with negative Gauss curvature and the Lax–Friedrichs scheme. *SIAM Journal on Mathematical Analysis*, 48(3): 2227–2249, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cao:2019:GES

[CHY19] Wentao Cao, Feimin Huang, and Difan Yuan. Global entropy solutions to the gas flow in general nozzle. *SIAM Journal on Mathematical Analysis*, 51(4):3276–3297, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Constantin:2018:ILS

[CIN18] Peter Constantin, Mihaela Ignatova, and Huy Q. Nguyen. Inviscid limit for SQG in bounded domains. *SIAM Journal on Mathematical Analysis*, 50(6):6196–6207, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cingolani:2019:SWP

[CJ19] Silvia Cingolani and Louis Jeanjean. Stationary waves with prescribed L^2-norm for the planar Schrödinger–Poisson system. *SIAM Journal on Mathematical Analysis*, 51(4):3533–3568, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chang:2019:CNS

[CJN19] T. Chang, B. J. Jin, and A. Novotný. Compressible Navier–Stokes system with general inflow–outflow boundary data. *SIAM Journal on Mathematical Analysis*, 51(2): 1238–1278, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Capriani:2013:QSO

[CJP13] Giuseppe Maria Capriani, Vesa Julin, and Giovanni Pisante. A quantitative second order minimality criterion for cavities in elastic bodies. *SIAM Journal on Mathematical Analysis*, 45(3): 1952–1991, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chung:2011:RNP

[CK11] Jaywan Chung and Yong Jung Kim. Relative Newtonian potentials of radial functions and asymptotics in nonlinear diffusion. *SIAM Journal on Mathematical Analysis*, 43(4): 1975–1994, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1975_s1. See addendum [CK13].

Chen:2012:SPM

[CK12] Chiun-Chuan Chen and Theodore Kolokolnikov. Simple PDE model of spot replication in any dimension. *SIAM Journal on Mathematical Analysis*, 44(5):3564–3593, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chung:2013:ARN

[CK13] Jaywan Chung and Yong Jung Kim. Addendum to “Relative Newtonian Potentials of Radial Functions and Asymptotics in Nonlinear Diffusion”. *SIAM Journal on Mathematical Analysis*, 45(2): 728–731, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [CK11].

Chen:2014:PSW

[CKM14] Chao-Nien Chen, Shih-Yin Kung, and Yoshihisa Morita. Planar standing wavefronts in the FitzHugh–Nagumo equations. *SIAM Journal on Mathematical Analysis*, 46(1): 657–690, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choulli:2015:SDT

[CKS15] Mourad Choulli, Yavar Kian, and Eric Soccorsi. Stable determination of time-dependent scalar potential from boundary measurements in a periodic quantum waveguide. *SIAM Journal on Mathematical Analysis*, 47(6): 4536–4558, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cuesta:2018:SSL

[CKV18] Carlota M. Cuesta, Hans Knüpfer, and Juan J. L. Velázquez. Self-similar lifting and persistent touch-down points in the thin-film equation. *SIAM Journal on Mathematical Analysis*, 50(2): 1900–1917, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chayes:2013:AED

[CKY13] Lincoln Chayes, Inwon Kim, and Yao Yao. An aggregation equation with degenerate diffusion: Qualitative property of solutions. *SIAM Journal on Mathematical Analysis*, 45(5): 2995–3018, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2018:FTN

[CKY18] Yuan Chen, Soojung Kim, and Yong Yu. Freedericksz transition in nematic liquid crystal flows in dimension two. *SIAM Journal on Mathematical Analysis*, 50(5): 4838–4860, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2017:TDS

[CKZ17] Gui-Qiang G. Chen, Jie Kuang, and Yongqian Zhang. Two-dimensional steady supersonic exothermically reacting Euler flow past Lipschitz bending walls. *SIAM Journal on Mathematical Analysis*, 49 (2):818–873, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2013:APF

[CL13a] Xiuqing Chen and Jian-Guo Liu. Analysis of polymeric flow models and related compactness theorems in weighted spaces. *SIAM Journal on Mathematical Analysis*, 45(3): 1179–1215, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Colli:2013:PFA

[CL13b] Pierluigi Colli and Philippe Laurençot. A phase-field approximation of the Willmore flow with volume and area constraints. *SIAM Journal on Mathematical Analysis*, 44(6): 3734–3754, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cerrai:2017:APN

[CL17] Sandra Cerrai and Alessandra Lunardi. Averaging principle for nonautonomous slow–fast systems of stochastic reaction–diffusion equations: The almost periodic case. *SIAM Journal on Mathematical Analysis*, 49(4): 2843–2884, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2018:AGS

[CL18] Zili Chen and Xiuting Li. Asymptotic growth of support and uniform decay of moments for the Vlasov–Poisson system. *SIAM Journal on Mathematical Analysis*, 50(4): 4180–4202, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chambolle:2017:ROC

[CLLS17] Antonin Chambolle, Jimmy Lamboley, Antoine Lemenant, and Eugene Stepanov. Regularity for the optimal compliance problem with length penalization. *SIAM Journal on Mathematical Analysis*, 49(2): 1166–1224, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Camano:2017:ESE

[CLM17] Jessika Camaño, Christopher Lackner, and Peter Monk. Electromagnetic Stekloff eigenvalues in inverse scattering. *SIAM Journal on Mathematical Analysis*, 49(6): 4376–4401, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2012:MDK

[CLW12] Li Chen, Jian-Guo Liu, and Jinhuan Wang. Multidimensional degenerate Keller–Segel system with critical diffusion exponent $2n/(n+2)$. *SIAM Journal on Mathematical Analysis*, 44(2):1077–1102, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2017:VCT

[CLW17] Shaowei Chen, Zhaoli Liu, and Zhi-Qiang Wang. A variant of Clark's theorem and its applications for nonsmooth functionals without the Palais–Smale condition. *SIAM Journal on Mathematical Analysis*, 49(1):446–470, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Calder:2011:AIS

[CM11] J. Calder and A. Mansouri. Anisotropic image sharpening via well-posed Sobolev gradient flows. *SIAM Journal on Mathematical Analysis*, 43(4): 1536–1556, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1536_s1`.

Chupin:2012:RDT

[CM12] Laurent Chupin and Sébastien Martin. Rigorous derivation of the thin film approximation with roughness-induced correctors. *SIAM Journal on Mathematical Analysis*, 44(4): 3041–3070, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ciomaga:2013:PEB

[CM13] Adina Ciomaga and Jean-Michel Morel. A proof of equivalence between level lines shortening and curvature motion in image processing. *SIAM Journal on Mathematical Analysis*, 45(3): 1047–1067, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2014:DTD

[CM14] Qiang Chen and Peter Monk. Discretization of the time domain CFIE for acoustic scattering problems using convolution quadrature. *SIAM Journal on Mathematical Analysis*, 46(5):3107–

3130, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Combet:2018:CMS

[CM18] Vianney Combet and Yvan Martel. Construction of multibubble solutions for the critical GKDV equation. *SIAM Journal on Mathematical Analysis*, 50(4):3715–3790, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cuccagna:2019:SSS

[CM19] Scipio Cuccagna and Masaya Maeda. On stability of small solitons of the 1-D NLS with a trapping delta potential. *SIAM Journal on Mathematical Analysis*, 51(6):4311–4331, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Canizo:2010:RCS

[CMM10] José A. Cañizo, Stéphane Mischler, and Clément Mouhot. Rate of convergence to self-similarity for Smoluchowski's coagulation equation with constant coefficients. *SIAM Journal on Mathematical Analysis*, 41(6):2283–2314, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cocquet:2013:EUS

[CMM13] Pierre-Henri Cocquet, Pierre-Alain Mazet, and Vincent Mouysset. On the existence and uniqueness of a solution for some frequency-dependent partial differential equations coming from the modeling of metamaterials. *SIAM Journal on Mathematical Analysis*, 44(6):3806–3833, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chambolle:2013:NMC

[CMP13] Antonin Chambolle, Massimiliano Morini, and Marcello Ponsiglione. A nonlocal mean curvature flow and its semi-implicit time-discrete approximation. *SIAM Journal on Mathematical Analysis*, 44(6): 4048–4077, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cho:2016:PMF

[CMWY16] Yong-Kum Cho, Yoshinori Morimoto, Shuaikun Wang, and Tong Yang. Probability measures with finite moments and the homogeneous Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 48(4):2399–2413, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2018:GWS

[CMWZ18] Gui-Qiang G. Chen, Apala Majumdar, Dehua Wang, and Rongfang Zhang. Global weak solutions for the compressible active liquid crystal system. *SIAM Journal on Mathematical Analysis*, 50(4):3632–3675, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Coron:2015:DBC

[CN15] Jean-Michel Coron and Hoai-Minh Nguyen. Dissipative boundary conditions for nonlinear 1-D hyperbolic systems: Sharp conditions through an approach via time-delay systems. *SIAM Journal on Mathematical Analysis*, 47(3):2220–2240, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ciaurri:2017:TWM

[CNR17] Óscar Ciaurri, Adam Nowak, and Luz Roncal. Two-weight mixed norm estimates for a generalized spherical mean Radon transform acting on radial functions. *SIAM Journal on Mathematical Analysis*, 49(6):4402–4439, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Campbell:2010:STD

[CNS10] A. Campbell, S. A. Nazarov, and G. H. Sweers. Spectra of two-dimensional models for thin plates with sharp edges. *SIAM Journal on Mathematical Analysis*, 42(6):3020–3044, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3020_s1.

Crippa:2017:ELS

[CNSS17] Gianluca Crippa, Camilla Nobili, Christian Seis, and Stefano Spirito. Eulerian and Lagrangian solutions to the continuity and Euler equations with L^1 vorticity. *SIAM Journal on Mathematical Analysis*, 49(5):3973–3998, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Colin:2012:BSS

[CO12] Mathieu Colin and Masahito Ohta. Bifurcation from semitrivial standing waves and ground states for a system of nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 44(1):206–223, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p206_s1.

Compaan:2017:SZK

[Com17] E. Compaan. Smoothing for the Zakharov and Klein–

Gordon–Schrödinger systems on Euclidean spaces. *SIAM Journal on Mathematical Analysis*, 49(5):4206–4231, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Consiglieri:2012:TES

[Con12] Luisa Consiglieri. Thermal expansion on Stokes–Fourier systems. *SIAM Journal on Mathematical Analysis*, 44(3): 1831–1860, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Conti:2016:BMG

[COS16] Sergio Conti, Felix Otto, and Sylvia Serfaty. Branched microstructures in the Ginzburg–Landau model of type-I superconductors. *SIAM Journal on Mathematical Analysis*, 48(4): 2994–3034, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choksi:2010:SVF

[CP10] Rustum Choksi and Mark A. Peletier. Small volume fraction limit of the diblock copolymer problem: I. sharp-interface functional. *SIAM Journal on Mathematical Analysis*, 42(3):1334–1370, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choksi:2011:SVF

[CP11] Rustum Choksi and Mark A. Peletier. Small volume-fraction limit of the diblock copolymer problem: II. Diffuse-interface functional. *SIAM Journal on Mathematical Analysis*, 43(2):739–763, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p739_s1`.

Cances:2012:ERM

[CP12] Clément Cancès and Michel Pierre. An existence result for multidimensional immiscible two-phase flows with discontinuous capillary pressure field. *SIAM Journal on Mathematical Analysis*, 44(2): 966–992, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2013:FOC

[CP13] Jun Chen and Xing-Bin Pan. Functionals with operator curl in an extended magnetostatic Born–Infeld model. *SIAM Journal on Mathematical Analysis*, 45(4):2253–2284, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Contreras:2019:FCF

[CP19] Andres Contreras and Guanying Peng. First critical field of highly anisotropic three-dimensional superconductors via a vortex density model. *SIAM Journal on Mathematical Analysis*, 51(6):4490–4519, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Contreras:2018:OSD

[CPP18] Andres Contreras, Dmitry E. Pelinovsky, and Michael Plum. Orbital stability of domain walls in coupled Gross–Pitaevskii systems. *SIAM Journal on Mathematical Analysis*, 50(1):810–833, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carrillo:2016:CPM

[CPSW16] J. A. Carrillo, F. S. Patacchini, P. Sternberg, and G. Wolansky. Convergence of a particle method for diffusive gradient flows in one dimension. *SIAM Journal on Mathematical Analysis*, 48(6):3708–3741, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chugunova:2010:NSL

[CPT10] Marina Chugunova, M. C. Pugh, and R. M. Taranets. Nonnegative solutions for a long-wave unstable thin film equation with convection. *SIAM Journal on Mathematical Analysis*, 42(4):1826–1853, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2017:SFC

[CPZ17] Geng Chen, Ronghua Pan, and Shengguo Zhu. Singularity formation for the compressible Euler equations. *SIAM Journal on Mathematical Analysis*, 49(4):2591–2614, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2012:TDR

[CQ12] Shuxing Chen and Aifang Qu. Two-dimensional Riemann problems for Chaplygin gas. *SIAM Journal on Mathematical Analysis*, 44(3):2146–2178, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2019:TWN

[CQ19] Xinfu Chen and Yuanwei Qi. Traveling wave to non-KPP isothermal diffusion systems: Existence of minimum speed and sharp bounds. *SIAM Journal on Mathematical Analysis*, 51(2):1436–1453, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cortazar:2018:NFA

[CQW18] Carmen Cortázar, Fernando Quirós, and Noemí Wolanski. Near-field asymptotics for the porous medium equation in exterior domains. the critical two-dimensional case. *SIAM Journal on Mathematical Analysis*, 50(3):2664–2680, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheng:2018:SFG

[CQX18] Bin Cheng, Peng Qu, and Chunjing Xie. Singularity formation and global existence of classical solutions for one-dimensional rotating shallow water system. *SIAM Journal on Mathematical Analysis*, 50(3):2486–2508, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chiron:2010:KKL

[CR10] D. Chiron and F. Rousset. The KdV/KP-I limit of the nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 42(1): 64–96, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Colombo:2018:NCL

[CR18] Rinaldo M. Colombo and Elena Rossi. Nonlocal conservation laws in bounded domains. *SIAM Journal on Mathematical Analysis*, 50(4): 4041–4065, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Crismale:2019:ASF

[Cri19] Vito Crismale. On the approximation of SBD functions and some applications. *SIAM Journal on Mathematical Analysis*, 51(6):5011–5048, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cavaterra:2016:GSS

[CRWX16] Cecilia Cavaterra, Elisabetta Rocca, Hao Wu, and Xiang Xu. Global strong solutions of the full Navier–Stokes and Q-tensor system for nematic liquid crystal flows in two dimensions. *SIAM Journal on Mathematical Analysis*, 48(2): 1368–1399, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2010:FSW

[CS10a] Linan Chen and Daniel W. Stroock. The fundamental solution to the Wright–Fisher equation. *SIAM Journal on Mathematical Analysis*, 42(2): 539–567, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheng:2010:INS

[CS10b] C. H. Arthur Cheng and Steve Shkoller. The interaction of the 3D Navier–Stokes equations with a moving nonlinear Koiter elastic shell. *SIAM Journal on Mathematical Analysis*, 42(3): 1094–1155, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheskidov:2014:EET

[CS14a] A. Cheskidov and R. Shvydkoy. Euler equations and turbulence: Analytical approach to intermittency. *SIAM Journal on Mathematical Analysis*, 46(1):353–374, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choffrut:2014:WSS

[CS14b] A. Choffrut and L. Székelyhidi, Jr. Weak solutions to the stationary incompressible Euler equations. *SIAM Journal on Mathematical Analysis*, 46(6): 4060–4074, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cullen:2014:MFA

[CS14c] Mike Cullen and Marc Sedjro. On a model of forced axisymmetric flows. *SIAM Journal on Mathematical Analysis*, 46(6):3983–4013, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carter:2015:FPO

[CS15a] Paul Carter and Björn Sandstede. Fast pulses with oscillatory tails in the FitzHugh–Nagumo system. *SIAM Journal on Mathematical Analysis*, 47(5):3393–3441, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2015:CEB

[CS15b] Xuwen Chen and Walter A. Strauss. Convergence to equilibrium of a body moving in a kinetic sea. *SIAM Journal on Mathematical Analysis*, 47(6): 4630–4651, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chung:2017:ITA

[CS17] Francis J. Chung and John C. Schotland. Inverse transport and acousto-optic imaging. *SIAM Journal on Mathematical Analysis*, 49(6):4704–4721, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cances:2018:VWI

[CS18] Eric Cancès and L. Ridgway Scott. Van der Waals interactions between two hydrogen atoms: The Slater–Kirkwood method revisited. *SIAM Journal on Mathematical Analy-*

sis, 50(1):381–410, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Coifman:2017:CFH

[CStW17] Ronald R. Coifman, Stefan Steinerberger, and Hau tieng Wu. Carrier frequencies, holomorphy, and unwinding. *SIAM Journal on Mathematical Analysis*, 49(6): 4838–4864, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cavalletti:2015:SPG

[CSW15] Fabio Cavalletti, Marc Sedjro, and Michael Westdickenberg. A simple proof of global existence for the 1D pressureless gas dynamics equations. *SIAM Journal on Mathematical Analysis*, 47(1): 66–79, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cohen:2018:SHS

[CSZ18] Albert Cohen, Christoph Schwab, and Jakob Zech. Shape holomorphy of the stationary Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 50(2): 1720–1752, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cornalba:2019:RDK

[CSZ19] Federico Cornalba, Tony Shardlow, and Johannes Zimmer. A regularized Dean–Kawasaki model: Derivation and analysis. *SIAM Journal on Mathematical Analysis*, 51(2):1137–1187, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Christoforou:2011:RCV

[CT11] Cleopatra Christoforou and Konstantina Trivisa. Rate of convergence for vanishing viscosity approximations to hyperbolic balance laws. *SIAM Journal on Mathematical Analysis*, 43(5):2307–2336, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2307_s1`.

Costin:2014:AAB

[CT14] O. Costin and S. Tanveer. Analytical approximation of the Blasius similarity solution with rigorous error bounds. *SIAM Journal on Mathematical Analysis*, 46(6):3782–3813, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choulli:2015:NSE

[CT15] Mourad Choulli and Faouzi Triki. New stability estimates for the inverse medium problem with internal data. *SIAM Journal on Mathematical Analysis*, 47(3):1778–1799, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Craig:2016:CRN

[CT16] Katy Craig and Ihsan Topaloglu. Convergence of regularized nonlocal interaction energies. *SIAM Journal on Mathematical Analysis*, 48(1):34–60, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Costin:2013:LSO

[CTW13] O. Costin, S. Tanveer, and M. I. Weinstein. The lifetime of shape oscillations of a bubble in an unbounded, inviscid, and compressible fluid with surface tension. *SIAM Journal on Mathematical Analysis*, 45(5):2924–2936, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2017:LBS

[CTW17] Xinfu Chen, Je-Chiang Tsai, and Yaping Wu. Longtime behavior of solutions of a SIS epidemiological model. *SIAM Journal on Mathematical Analysis*, 49(5):3925–3950, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cui:2013:ASS

[Cui13] Shangbin Cui. Asymptotic stability of the stationary solution for a parabolic-hyperbolic free boundary problem modeling tumor growth. *SIAM Journal on Mathematical Analysis*, 45(5):2870–2893, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cuesta:2012:AOD

[CV12] C. M. Cuesta and J. J. L. Velázquez. Analysis of oscillations in a drainage equation. *SIAM Journal on Mathematical Analysis*, 44(3):1588–1616, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choi:2015:STS

[CV15] Kyudong Choi and Alexis F. Vasseur. Short-time stability of scalar viscous shocks in the inviscid limit by the relative entropy method. *SIAM Journal on Mathematical Analysis*, 47(2):1405–1418, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Capitanelli:2016:DQF

[CV16] Raffaela Capitanelli and Maria Agostina Vivaldi. Dynamical quasi-filling fractal layers. *SIAM Journal on Mathematical Analysis*, 48(6):

3931–3961, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Coron:2013:OFS

[CW13] Jean-Michel Coron and Zhiqiang Wang. Output feedback stabilization for a scalar conservation law with a nonlocal velocity. *SIAM Journal on Mathematical Analysis*, 45(5): 2646–2665, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chae:2016:PRN

[CW16] Dongho Chae and Jörg Wolf. On partial regularity for the 3D nonstationary Hall magnetohydrodynamics equations on the plane. *SIAM Journal on Mathematical Analysis*, 48 (1):443–469, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chandler-Wilde:2010:VAW

[CWE10] Simon N. Chandler-Wilde and Johannes Elschner. Variational approach in weighted Sobolev spaces to scattering by unbounded rough surfaces. *SIAM Journal on Mathematical Analysis*, 42(6): 2554–2580, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chandler-Wilde:2018:WPP

[CWH18] Simon N. Chandler-Wilde and David P. Hewett. Well-posed PDE and integral equation formulations for scattering by fractal screens. *SIAM Journal on Mathematical Analysis*, 50 (1):677–717, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cao:2014:IME

[CWY14] Chongsheng Cao, Jiahong Wu, and Baoquan Yuan. The 2D incompressible magnetohydrodynamics equations with only magnetic diffusion. *SIAM Journal on Mathematical Analysis*, 46(1): 588–602, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cui:2016:DRN

[CWYZ16] Haibo Cui, Wenjun Wang, Lei Yao, and Changjiang Zhu. Decay rates for a nonconservative compressible generic two-fluid model. *SIAM Journal on Mathematical Analysis*, 48 (1):470–512, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2015:GSS

[CY15] Shuxing Chen and Chao Yi. Global solutions for supersonic flow past a delta wing. *SIAM Journal on Mathe-*

matical Analysis, 47(1):80–126, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cui:2018:GEI

[CY18] Xiufang Cui and Silu Yin. Global existence of inhomogeneous incompressible isotropic elastodynamics in three dimensions. *SIAM Journal on Mathematical Analysis*, 50(5):4721–4751, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2019:KCS

[CY19] Zili Chen and Xiuxia Yin. The kinetic Cucker–Smale model: Well-posedness and asymptotic behavior. *SIAM Journal on Mathematical Analysis*, 51(5):3819–3853, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

deAraujo:2018:ESL

[dAdM18] Anderson L. A. de Araujo and Paulo M. D. de Magalhães. Existence of solutions and local null controllability for a model of tissue invasion by solid tumors. *SIAM Journal on Mathematical Analysis*, 50(4):3598–3631, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dafermos:2013:LTB

[Daf13] Constantine M. Dafermos. Long time behavior of periodic solutions to scalar conservation laws in several space dimensions. *SIAM Journal on Mathematical Analysis*, 45(4):2064–2070, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dafermos:2014:BSH

[Daf14] Constantine M. Dafermos. BV solutions of hyperbolic balance laws with relaxation in the absence of conserved quantities. *SIAM Journal on Mathematical Analysis*, 46(6):4014–4034, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dafermos:2019:UZR

[Daf19] Constantine M. Dafermos. Uniqueness of zero relaxation limit. *SIAM Journal on Mathematical Analysis*, 51(3):1999–2018, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dai:2010:SRC

[Dai10] Shibin Dai. On the shortening rate of collections of plane convex curves by the area-preserving mean curvature flow. *SIAM Journal on Mathematical Analysis*, 42(1):323–333, ???? 2010. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dai:2017:RPN

[Dai17] Mimi Dai. Regularity problem for the nematic LCD system with Q-tensor in $\mathbf{R}^3$. *SIAM Journal on Mathematical Analysis*, 49(6):5007–5030, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Danilov:2017:NNE

[Dan17] V. G. Danilov. Nonsmooth nonoscillating exponential-type asymptotics for linear parabolic PDE. *SIAM Journal on Mathematical Analysis*, 49(5):3550–3572, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Demchenko:2019:KVV

[DAP19] Hanna Demchenko, Andrii Anikushyn, and Michael Pokojovy. On a Kelvin–Voigt viscoelastic wave equation with strong delay. *SIAM Journal on Mathematical Analysis*, 51(6):4382–4412, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

daCosta:2016:RCS

[dCPS16] Fernando P. da Costa, João T. Pinto, and Rafael Sasportes. Rates of convergence to scaling profiles in a submonolayer deposition model and the preservation of memory of the initial condition. *SIAM Journal on Mathematical Analysis*, 48(2):1109–1127, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Danchin:2016:LMN

[DD16] Raphaël Danchin and Bernard Ducomet. The low Mach number limit for a barotropic model of radiative flow. *SIAM Journal on Mathematical Analysis*, 48(2):1025–1053, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DallAcqua:2018:OPE

[DD18] Anna Dall'Acqua and Klaus Deckelnick. An obstacle problem for elastic graphs. *SIAM Journal on Mathematical Analysis*, 50(1):119–137, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DeBouard:2018:LTB

[DDF18] Anne De Bouard, Arnaud Debussche, and Reika Fukuizumi. Long time behavior of Gross–Pitaevskii equation at positive temperature. *SIAM Journal on Mathematical Analysis*, 50(6):5887–5920, ???? 2018. CODEN SJMAAH. ISSN

0036-1410 (print), 1095-7154 (electronic).

Dalibard:2018:HFA

[DDGVM18] Anne-Laure Dalibard, Helge Dietert, David Gérard-Varet, and Frédéric Marbach. High frequency analysis of the unsteady interactive boundary layer model. *SIAM Journal on Mathematical Analysis*, 50(4): 4203–4245, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Debiec:2018:REM

[DDGW18] Tomasz Debiec, Marie Doumic, Piotr Gwiazda, and Emil Wiedemann. Relative entropy method for measure solutions of the growth-fragmentation equation. *SIAM Journal on Mathematical Analysis*, 50(6): 5811–5824, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DalMaso:2011:EUR

[DDM11] Gianni Dal Maso, Antonio DeSimone, and Marco Morandotti. An existence and uniqueness result for the motion of self-propelled microswimmers. *SIAM Journal on Mathematical Analysis*, 43(3):1345–1368, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1345_s1`.

Debussche:2015:RRQ

[DdMH15] Arnaud Debussche, Sylvain de Moor, and Martina Hofmanová. A regularity result for quasilinear stochastic partial differential equations of parabolic type. *SIAM Journal on Mathematical Analysis*, 47(2):1590–1614, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dirr:2018:SHF

[DDMM18] Nicolas Dirr, Federica Dragoni, Paola Mannucci, and Claudio Marchi. Stochastic homogenization for functionals with anisotropic rescaling and noncoercive Hamilton–Jacobi equations. *SIAM Journal on Mathematical Analysis*, 50(5):5198–5242, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DeRosa:2018:MAE

[De 18] Antonio De Rosa. Minimization of anisotropic energies in classes of rectifiable varifolds. *SIAM Journal on Mathematical Analysis*, 50(1): 162–181, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dekeyser:2019:ASV

[Dek19] Justin Dekeyser. Asymptotic of steady vortex pair in the lake equation. *SIAM Journal on Mathematical Analysis*, 51(2):1209–1237, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Delgadino:2018:COD

[Del18] Matias G. Delgadino. Convergence of a one-dimensional Cahn–Hilliard equation with degenerate mobility. *SIAM Journal on Mathematical Analysis*, 50(4):4457–4482, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Despres:2014:SVP

[Des14] Bruno Després. Symmetrization of Vlasov–Poisson equations. *SIAM Journal on Mathematical Analysis*, 46(4): 2554–2580, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Deuring:2013:SDT

[Deu13] Paul Deuring. Spatial decay of time-dependent incompressible Navier–Stokes flows with nonzero velocity at infinity. *SIAM Journal on Mathematical Analysis*, 45(3):1388–1421, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Desvillettes:2010:LTA

[DF10] Laurent Desvillettes and Klemens Fellner. Large time asymptotics for a continuous coagulation-fragmentation model with degenerate size-dependent diffusion. *SIAM Journal on Mathematical Analysis*, 41(6): 2315–2334, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dias:2011:SWL

[DF11] João Paulo Dias and Hermano Frid. Short wave-long wave interactions for compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 43(2): 764–787, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p764_s1`.

DePhilippis:2013:SRM

[DF13] Guido De Philippis and Alessio Figalli. Sobolev regularity for Monge–Ampère type equations. *SIAM Journal on Mathematical Analysis*, 45(3): 1812–1824, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Davoli:2015:CRF

[DF15] Elisa Davoli and Gilles A. Francfort. A critical revisiting of finite elasto-plasticity.

SIAM Journal on Mathematical Analysis, 47(1):526–565, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Francesco:2014:ABG

[DFHM14] Marco Di Francesco, Massimo Fornasier, Jan-Christian Hütter, and Daniel Matthes. Asymptotic behavior of gradient flows driven by nonlocal power repulsion and attraction potentials in one dimension. *SIAM Journal on Mathematical Analysis*, 46(6):3814–3837, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Davini:2014:LMCa

[DFP14a] C. Davini, L. Freddi, and R. Paroni. Linear models for composite thin-walled beams by Γ-convergence. Part I: Open cross sections. *SIAM Journal on Mathematical Analysis*, 46(5):3296–3331, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Davini:2014:LMCb

[DFP14b] C. Davini, L. Freddi, and R. Paroni. Linear models for composite thin-walled beams by Γ-convergence. Part II: Closed cross-sections. *SIAM Journal on Mathematical Analysis*, 46(5):3332–3360, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Desvillettes:2017:TER

[DFT17] Laurent Desvillettes, Klemens Fellner, and Bao Quoc Tang. Trend to equilibrium for reaction-diffusion systems arising from complex balanced chemical reaction networks. *SIAM Journal on Mathematical Analysis*, 49(4):2666–2709, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dipierro:2018:DED

[DFV18] Serena Dipierro, Alberto Farina, and Enrico Valdinoci. Density estimates for degenerate double-well potentials. *SIAM Journal on Mathematical Analysis*, 50(6):6333–6347, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Debussche:2011:SCH

[DG11] Arnaud Debussche and Ludovic Goudenège. Stochastic Cahn–Hilliard equation with double singular nonlinearities and two reflections. *SIAM Journal on Mathematical Analysis*, 43(3):1473–1494, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.`

siam.org/sima/resource/1/sjmaah/v43/i3/p1473_s1.

Donato:2016:EHS

[DG16] Patrizia Donato and Daniela Giachetti. Existence and homogenization for a singular problem through rough surfaces. *SIAM Journal on Mathematical Analysis*, 48(6): 4047–4086, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DeBievre:2016:PIV

[DGV16] Stephan De Bièvre, Thierry Goudon, and Arthur Vavasseur. Particles interacting with a vibrating medium: Existence of solutions and convergence to the Vlasov–Poisson system. *SIAM Journal on Mathematical Analysis*, 48(6):3984–4020, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dyson:2010:EAP

[DGVBW10] Janet Dyson, Stephen A. Gourley, Rosanna Villella-Bressan, and Glenn F. Webb. Existence and asymptotic properties of solutions of a nonlocal evolution equation modeling cell–cell adhesion. *SIAM Journal on Mathematical Analysis*, 42(4):1784–1804, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2010:NRD

[DH10] Yihong Du and Sze-Bi Hsu. On a nonlocal reaction–diffusion problem arising from the modeling of phytoplankton growth. *SIAM Journal on Mathematical Analysis*, 42(3): 1305–1333, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

deHoop:2014:EAE

[dHGR14] Maarten V. de Hoop, Karlheinz Gröchenig, and José Luis Romero. Exact and approximate expansions with pure Gaussian wave packets. *SIAM Journal on Mathematical Analysis*, 46(3):2229–2253, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

deHoop:2014:RCE

[dHHI+14] Maarten V. de Hoop, Sean F. Holman, Einar Iversen, Matti Lassas, and Bjørn Ursin. Reconstruction of a conformally Euclidean metric from local boundary diffraction travel times. *SIAM Journal on Mathematical Analysis*, 46(6): 3705–3726, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Doelman:2014:MPS

[DHPW14] Arjen Doelman, Gurgen Hayrapetyan, Keith Promislow, and Brian Wetton. Meander and pearling of single-curvature bilayer interfaces in the functionalized Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 46(6):3640–3677, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duchene:2015:NFJ

[DIT15] Vincent Duchêne, Samer Israwi, and Raafat Talhouk. A new fully justified asymptotic model for the propagation of internal waves in the Camassa–Holm regime. *SIAM Journal on Mathematical Analysis*, 47(1):240–290, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Daus:2016:HLM

[DJMZ16] Esther S. Daus, Ansgar Jüngel, Clément Mouhot, and Nicola Zamponi. Hypocoercivity for a linearized multispecies Boltzmann system. *SIAM Journal on Mathematical Analysis*, 48(1):538–568, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2011:PES

[DK11] Hongjie Dong and Doyoon Kim. Parabolic and elliptic systems in divergence form with variably partially BMO coefficients. *SIAM Journal on Mathematical Analysis*, 43(3):1075–1098, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1075_s1`.

Dong:2014:PES

[DK14] Hongjie Dong and Doyoon Kim. Parabolic equations in simple convex polytopes with time irregular coefficients. *SIAM Journal on Mathematical Analysis*, 46(3):1789–1819, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Deuring:2011:PDL

[DKN11] Paul Deuring, Stanislav Kracmar, and Sárka Necasová. On pointwise decay of linearized stationary incompressible viscous flow around rotating and translating bodies. *SIAM Journal on Mathematical Analysis*, 43(2):705–738, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p705_s1`.

Disser:2015:OSR

[DKR15] Karoline Disser, Hans-Christoph Kaiser, and Joachim Rehberg. Optimal Sobolev regularity for linear second-order divergence elliptic operators occurring in real-world problems. *SIAM Journal on Mathematical Analysis*, 47(3): 1719–1746, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Detmann:2016:SUP

[DKR16] Bettina Detmann, Pavel Krejcí, and Elisabetta Rocca. Solvability of an unsaturated porous media flow problem with thermomechanical interaction. *SIAM Journal on Mathematical Analysis*, 48(6): 4175–4201, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dull:2016:VWA

[DKS16] Wolf-Patrick Düll, Kourosh Sanei Kashani, and Guido Schneider. The validity of Whitham's approximation for a Klein–Gordon–Boussinesq model. *SIAM Journal on Mathematical Analysis*, 48(6):4311–4334, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Disconzi:2019:LIR

[DKT19] Marcelo M. Disconzi, Igor Kukavica, and Amjad Tuffaha. A Lagrangian interior regularity result for the incompressible free boundary Euler equation with surface tension. *SIAM Journal on Mathematical Analysis*, 51(5): 3982–4022, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2010:SVD

[DL10] Yihong Du and Zhigui Lin. Spreading-vanishing dichotomy in the diffusive logistic model with a free boundary. *SIAM Journal on Mathematical Analysis*, 42(1):377–405, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [DL13].

Du:2013:ESV

[DL13] Yihong Du and Zhigui Lin. Erratum: Spreading-Vanishing Dichotomy in the Diffusive Logistic Model with a Free Boundary. *SIAM Journal on Mathematical Analysis*, 45(3): 1995–1996, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [DL10].

deLaire:2014:MET

[dL14] André de Laire. Minimal energy for the traveling waves of the Landau–Lifshitz equation. *SIAM Journal on Mathematical Analysis*, 46(1):96–132, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ding:2015:PEG

[DL15a] Weiwei Ding and Xing Liang. Principal eigenvalues of generalized convolution operators on the circle and spreading speeds of noncompact evolution systems in periodic media. *SIAM Journal on Mathematical Analysis*, 47(1):855–896, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duan:2015:SRW

[DL15b] Renjun Duan and Shuangqian Liu. Stability of the rarefaction wave of the Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 47(5):3585–3647, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DiMarino:2018:ERM

[DL18] Simone Di Marino and Jean Louet. The entropic regularization of the Monge problem on the real line. *SIAM Journal on Mathematical Analysis*, 50(4):3451–3477, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

delaHoz:2016:DCS

[dlHHMV16] Francisco de la Hoz, Taoufik Hmidi, Joan Mateu, and Joan Verdera. Doubly connected V-states for the planar Euler equations. *SIAM Journal on Mathematical Analysis*, 48(3):1892–1928, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

delaLlave:2017:REC

[dlLSZ17] Rafael de la Llave, Xifeng Su, and Lei Zhang. Resonant equilibrium configurations in quasi-periodic media: KAM theory. *SIAM Journal on Mathematical Analysis*, 49(1):597–625, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Desvillettes:2014:EDC

[DLM14] L. Desvillettes, Th. Lepoutre, and A. Moussa. Entropy, duality, and cross diffusion. *SIAM Journal on Mathematical Analysis*, 46(1):820–853, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Diening:2012:PRM

[DLSV12] L. Diening, D. Lengeler, B. Stroffolini, and A. Verde. Partial regularity for minimizers of quasi-convex functionals with general growth. *SIAM Journal on Mathematical Analysis*, 44(5):3594–3616, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DeCicco:2010:LSS

[DLV10] Virginia De Cicco, Chiara Leone, and Anna Verde. Lower semicontinuity in SBV for integrals with variable growth. *SIAM Journal on Mathematical Analysis*, 42(6): 3112–3128, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3112_s1.

DiCristo:2013:SEI

[DLVW13] M. Di Cristo, C.-L. Lin, S. Vessella, and J.-N. Wang. Size estimates of the inverse inclusion problem for the shallow shell equation. *SIAM Journal on Mathematical Analysis*, 45(1):88–100, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duan:2012:LEC

[DLZ12a] Ben Duan, Zhen Luo, and Yuxi Zheng. Local existence of classical solutions to shallow water equations with Cauchy data containing vacuum. *SIAM Journal on Mathematical Analysis*, 44(2): 541–567, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p541_s1.

Duan:2012:CPC

[DLZ12b] Renjun Duan, Qingqing Liu, and Changjiang Zhu. The Cauchy problem on the compressible two-fluids Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 44(1):102–133, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p102_s1.

Du:2015:NDP

[DLZ15] Yihong Du, Bendong Lou, and Maolin Zhou. Nonlinear diffusion problems with free boundaries: Convergence, transition speed, and zero number arguments. *SIAM Journal on Mathematical Analysis*, 47(5):3555–3584, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ducrot:2014:ABN

[DM14] Arnaud Ducrot and Pierre Magal. Asymptotic behavior of a nonlocal diffusive logistic equation. *SIAM Journal on Mathematical Analysis*, 46(3): 1731–1753, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Donatelli:2015:QNL

[DM15] Donatella Donatelli and Pierangelo Marcati. Quasi-neutral limit, dispersion, and oscillations for Korteweg-type fluids. *SIAM Journal on Mathematical Analysis*, 47(3):2265–2282, ???? 2015. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

deMonvel:2010:PTA

[dMIS10] Anne Boutet de Monvel, Alexander Its, and Dmitry Shepelsky. Painlevé-type asymptotics for the Camassa–Holm equation. *SIAM Journal on Mathematical Analysis*, 42(4):1854–1873, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2014:SES

[DMZ14] Yihong Du, Hiroshi Matsuzawa, and Maolin Zhou. Sharp estimate of the spreading speed determined by nonlinear free boundary problems. *SIAM Journal on Mathematical Analysis*, 46(1):375–396, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Daus:2019:ADS

[DMZ19] Esther S. Daus, Pina Milisić, and Nicola Zamponi. Analysis of a degenerate and singular volume-filling cross-diffusion system modeling biofilm growth. *SIAM Journal on Mathematical Analysis*, 51(4):3569–3605, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Decker:2012:PFW

[DN12] R. Decker and V. W. Noonburg. A periodically forced Wilson–Cowan system with multiple attractors. *SIAM Journal on Mathematical Analysis*, 44(2):887–905, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Drivas:2018:OCA

[DN18] Theodore D. Drivas and Huy Q. Nguyen. Onsager's conjecture and anomalous dissipation on domains with boundary. *SIAM Journal on Mathematical Analysis*, 50(5):4785–4811, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dharmawardane:2012:DES

[DNK12] Priyanjana M. N. Dharmawardane, Tohru Nakamura, and Shuichi Kawashima. Decay estimates of solutions for quasi-linear hyperbolic systems of viscoelasticity. *SIAM Journal on Mathematical Analysis*, 44(3):1976–2001, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dolbeault:2012:PLS

[DNS12] Jean Dolbeault, Bruno Nazaret, and Giuseppe Savaré. From Poincaré to logarithmic Sobolev inequalities: a gradient flow approach. *SIAM Journal on Mathematical Analysis*, 44(5): 3186–3216, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dondl:2019:PFA

[DNWW19] Patrick W. Dondl, Matteo Novaga, Benedikt Wirth, and Stephan Wojtowytsch. A phase-field approximation of the perimeter under a connectedness constraint. *SIAM Journal on Mathematical Analysis*, 51(5):3902–3920, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Deguchi:2016:PSG

[DO16] Hideo Deguchi and Michael Oberguggenberger. Propagation of singularities for generalized solutions to wave equations with discontinuous coefficients. *SIAM Journal on Mathematical Analysis*, 48(1): 397–442, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2011:SSM

[Don11] Hongjie Dong. On similarity solutions to the multidimensional aggregation equation. *SIAM Journal on Mathematical Analysis*, 43(4): 1995–2008, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1995_s1`.

Damascelli:2013:SRC

[DP13] Lucio Damascelli and Filomena Pacella. Symmetry results for cooperative elliptic systems via linearization. *SIAM Journal on Mathematical Analysis*, 45(3):1003–1026, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dumas:2014:JLK

[DP14] Eric Dumas and Dmitry Pelinovsky. Justification of the log–KdV equation in granular chains: The case of precompression. *SIAM Journal on Mathematical Analysis*, 46(6): 4075–4103, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dai:2015:CGE

[DP15] Shibin Dai and Keith Promislow. Competitive geometric evolution of amphiphilic interfaces. *SIAM Journal on Mathematical Analysis*, 47(1): 347–380, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ding:2013:ECS

[DR13] Yanheng Ding and Bernhard Ruf. Existence and concentration of semiclassical solutions for Dirac equations with critical nonlinearities. *SIAM Journal on Mathematical Analysis*, 44(6):3755–3785, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

deRijk:2018:SSS

[dR18] Björn de Rijk. Spectra and stability of spatially periodic pulse patterns II: The critical spectral curve. *SIAM Journal on Mathematical Analysis*, 50(2):1958–2019, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

deRijk:2016:SSS

[dRDR16] Björn de Rijk, Arjen Doelman, and Jens Rademacher. Spectra and stability of spatially periodic pulse patterns: Evans function factorization via Riccati transformation. *SIAM Journal on Mathematical Analysis*, 48(1): 61–121, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Drouot:2018:BSR

[Dro18] Alexis Drouot. Bound states for rapidly oscillatory Schrödinger operators in dimension 2. *SIAM Journal on Mathematical Analysis*, 50(2): 1471–1484, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dauge:2010:STP

[DS10a] Monique Dauge and Rob Stevenson. Sparse tensor product wavelet approximation of singular functions. *SIAM Journal on Mathematical Analysis*, 42(5):2203–2228, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Deng:2010:ETT

[DS10b] Shengfu Deng and Shu-Ming Sun. Exact theory of three-dimensional water waves at the critical speed. *SIAM Journal on Mathematical Analysis*, 42(6):2721–2761, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DiRusso:2013:EAB

[DS13] Cristiana Di Russo and Alice Sepe. Existence and asymptotic behavior of solutions to a quasi-linear hyperbolic-parabolic model of vasculogenesis. *SIAM Journal on Mathematical Analysis*, 45(2): 748–776, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dai:2014:ABS

[DS14] Mimi Dai and Maria Schonbek. Asymptotic behavior of solutions to the liquid crystal system in $H^m(\mathbf{R}^3)$. *SIAM Journal on Mathe-*

matical Analysis, 46(5):3131–3150, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Davoli:2019:DPP

[DS19] Elisa Davoli and Ulisse Stefanelli. Dynamic perfect plasticity as convex minimization. *SIAM Journal on Mathematical Analysis*, 51(2):672–730, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dipierro:2015:NFB

[DSV15] Serena Dipierro, Ovidiu Savin, and Enrico Valdinoci. A nonlocal free boundary problem. *SIAM Journal on Mathematical Analysis*, 47(6): 4559–4605, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2017:IRG

[DSX17] Bin Dong, Zuowei Shen, and Peichu Xie. Image restoration: a general wavelet frame based model and its asymptotic analysis. *SIAM Journal on Mathematical Analysis*, 49 (1):421–445, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Deng:2018:SPI

[DSY18] Qingquan Deng, Avy Soffer, and Xiaohua Yao. Soliton-potential interactions for nonlinear Schrödinger equation in $\mathbf{R}^3$. *SIAM Journal on Mathematical Analysis*, 50(5):5243–5292, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DiFratta:2019:SPT

[DSZ19] Giovanni Di Fratta, Valeriy Slastikov, and Arghir Zarnescu. On a sharp Poincaré-type inequality on the 2-sphere and its application in micromagnetics. *SIAM Journal on Mathematical Analysis*, 51(4):3373–3387, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Droniou:2014:MDM

[DT14] Jérôme Droniou and Kyle S. Talbot. On a miscible displacement model in porous media flow with measure data. *SIAM Journal on Mathematical Analysis*, 46(5):3158–3175, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Plinio:2015:GST

[DT15] Francesco Di Plinio and Roger Temam. Grisvard's shift theorem near L^∞ and Yudovich theory on polygonal domains. *SIAM Journal on Mathematical Analysis*, 47(1): 159–178, ???? 2015. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duan:2011:DPV

[Dua11] Renjun Duan. Dissipative property of the Vlasov–Maxwell–Boltzmann system with a uniform ionic background. *SIAM Journal on Mathematical Analysis*, 43(6): 2732–2757, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2732_s1.

Duchene:2010:ASW

[Duc10] Vincent Duchêne. Asymptotic shallow water models for internal waves in a two-fluid system with a free surface. *SIAM Journal on Mathematical Analysis*, 42(5): 2229–2260, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duerinckx:2016:MFL

[Due16] Mitia Duerinckx. Mean-field limits for some Riesz interaction gradient flows. *SIAM Journal on Mathematical Analysis*, 48(3):2269–2300, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DiCristo:2010:SDD

[DV10] Michele Di Cristo and Sergio Vessella. Stable determination of the discontinuous conductivity coefficient of a parabolic equation. *SIAM Journal on Mathematical Analysis*, 42(1): 183–217, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duchene:2015:OLP

[DVW15] V. Duchêne, I. Vukićević, and M. I. Weinstein. Oscillatory and localized perturbations of periodic structures and the bifurcation of defect modes. *SIAM Journal on Mathematical Analysis*, 47(5): 3832–3883, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2013:STR

[DW13] Yi Du and Keyan Wang. Space-time regularity of the Koch and Tataru solutions to the liquid crystal equations. *SIAM Journal on Mathematical Analysis*, 45(6): 3838–3853, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Deng:2018:TDF

[DWX18] Xuemei Deng, Tian-Yi Wang, and Wei Xiang. Three-dimensional full Euler flows with nontrivial swirl in axisymmetric nozzles. *SIAM*

Journal on Mathematical Analysis, 50(3):2740–2772, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Deng:2012:VCL

[DWY12] Shijin Deng, Weike Wang, and Shih-Hsien Yu. Viscous conservation laws with boundary. *SIAM Journal on Mathematical Analysis*, 44(4):2695–2755, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ding:2012:GSS

[DWYZ12] Shijin Ding, Huanyao Wen, Lei Yao, and Changjiang Zhu. Global spherically symmetric classical solution to compressible Navier–Stokes equations with large initial data and vacuum. *SIAM Journal on Mathematical Analysis*, 44(2):1257–1278, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2010:VSH

[DWZ10] Qiang Du, Juncheng Wei, and Chunyi Zhao. Vortex solutions of the high-κ high-field Ginzburg–Landau model with an applied current. *SIAM Journal on Mathematical Analysis*, 42(6):2368–2401, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2019:GED

[DX19] Hongjie Dong and Longjuan Xu. Gradient estimates for divergence form elliptic systems arising from composite material. *SIAM Journal on Mathematical Analysis*, 51(3):2444–2478, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dai:2018:GPH

[DXZ18] Dan Dai, Shuai-Xia Xu, and Lun Zhang. Gap probability at the hard edge for random matrix ensembles with pole singularities in the potential. *SIAM Journal on Mathematical Analysis*, 50(2):2233–2279, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duan:2010:SOS

[DY10] Renjun Duan and Tong Yang. Stability of the one-species Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 41(6):2353–2387, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2019:EPL

[DYZ19a] Hongjie Dong, Tong Yang, and Mingying Zhong. Exterior problem of the linear Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 51(3):1792–1823, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2019:ESS

[DYZ19b] Yi Du, Wang Yang, and Yi Zhou. On the exponential stability of a stratified flow to the 2D ideal MHD equations with damping. *SIAM Journal on Mathematical Analysis*, 51(6):5077–5102, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Davini:2014:ASW

[DZ14] Andrea Davini and Maxime Zavidovique. Aubry sets for weakly coupled systems of Hamilton–Jacobi equations. *SIAM Journal on Mathematical Analysis*, 46(5):3361–3389, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2015:GWP

[DZ15] Lili Du and Deqin Zhou. Global well-posedness of two-dimensional magnetohydrodynamic flows with partial dissipation and magnetic diffusion. *SIAM Journal on Mathematical Analysis*, 47(2):1562–1589, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ehrnstrom:2011:SWW

[EEW11] Mats Ehrnström, Joachim Escher, and Erik Wahlén. Steady water waves with multiple critical layers. *SIAM Journal on Mathematical Analysis*, 43(3):1436–1456, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1436_s1`.

Elliott:2015:TPS

[EF15] Charles M. Elliott and Hans Fritz. Time-periodic solutions of advection-diffusion equations on moving hypersurfaces. *SIAM Journal on Mathematical Analysis*, 47(3):1693–1718, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ebenbeck:2019:CHB

[EG19] Matthias Ebenbeck and Harald Garcke. On a Cahn–Hilliard–Brinkman model for tumor growth and its singular limits. *SIAM Journal on Mathematical Analysis*, 51(3):1868–1912, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Elschner:2013:ESU

[EH13] Johannes Elschner and Guanghui Hu. Elastic scattering by unbounded rough surfaces. *SIAM Journal on Mathematical Analysis*, 44(6):4101–4127, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Soufi:2016:POO

[EH16] Ahmad El Soufi and Evans M. Harrell II. On the placement of an obstacle so as to optimize the Dirichlet heat trace. *SIAM Journal on Mathematical Analysis*, 48(2):884–894, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Evers:2016:MVM

[EHM16] Joep H. M. Evers, Sander C. Hille, and Adrian Muntean. Measure-valued mass evolution problems with flux boundary conditions and solution-dependent velocities. *SIAM Journal on Mathematical Analysis*, 48(3):1929–1953, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Eremenko:2011:SGP

[EI11] Alexandre Eremenko and Sergei Ivanov. Spectra of the Gurtin–Pipkin type equations. *SIAM Journal on Mathematical Analysis*, 43(5):2296–2306, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2296_s1`.

Endal:2014:CBN

[EJ14] J. Endal and E. R. Jakobsen. L^1 contraction for bounded (nonintegrable) solutions of degenerate parabolic equations. *SIAM Journal on Mathematical Analysis*, 46(6):3957–3982, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Erdos:2018:PLD

[EKR18] László Erdös, Torben Krüger, and David Renfrew. Power law decay for systems of randomly coupled differential equations. *SIAM Journal on Mathematical Analysis*, 50(3):3271–3290, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Esfahani:2017:SSW

[EL17] Amin Esfahani and Steve Levandosky. Stability of solitary waves of the Kadomtsev–Petviashvili equation with a weak rotation. *SIAM Journal on Mathematical Analysis*, 49(6):5096–5133, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Eller:2012:SHB

[Ell12] Matthias Eller. On symmetric hyperbolic boundary problems with nonhomogeneous conservative boundary conditions. *SIAM Journal on Mathematical Analysis*, 44(3): 1925–1949, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Epstein:2010:WFD

[EM10] Charles L. Epstein and Rafe Mazzeo. Wright–Fisher diffusion in one dimension. *SIAM Journal on Mathematical Analysis*, 42(2):568–608, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Escauriaza:2017:ASP

[EMZ17] Luis Escauriaza, Santiago Montaner, and Can Zhang. Analyticity of solutions to parabolic evolutions and applications. *SIAM Journal on Mathematical Analysis*, 49(5): 4064–4092, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Elbert:2012:AAO

[EP12] Alexander Elbert and Grigory Panasenko. Asymptotic analysis of the one-dimensional diffusion-absorption equation with rapidly and strongly oscillating absorption coefficient. *SIAM Journal on Mathematical Analysis*, 44(3): 2099–2119, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Elling:2012:SSS

[ER12] Volker Elling and Joseph Roberts. Steady and self-similar inviscid flow. *SIAM Journal on Mathematical Analysis*, 44(4):2344–2371, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Eychenne:2019:SDB

[ER19] Arnaud Eychenne and Nicolas Rougerie. On the stability of 2D dipolar Bose–Einstein condensates. *SIAM Journal on Mathematical Analysis*, 51(2): 1371–1386, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Elliott:2017:CBS

[ERV17] Charles M. Elliott, Thomas Ranner, and Chandrasekhar Venkataraman. Coupled bulk-surface free boundary problems arising from a mathematical model of receptor-ligand dynamics. *SIAM Journal on Mathematical Analysis*, 49(1):360–397, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Egger:2010:ARP

[ES10] Herbert Egger and Matthias Schlottbom. Analysis and regularization of problems in diffuse optical tomography. *SIAM Journal on Mathematical Analysis*, 42(5):1934–1948, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Esselborn:2016:RRP

[Ess16] Elias Esselborn. Relaxation rates for a perturbation of a stationary solution to the thin-film equation. *SIAM Journal on Mathematical Analysis*, 48(1): 349–396, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Es-Sarhir:2012:ESC

[ESvR12] Abdelhadi Es-Sarhir and Max-K. von Renesse. Ergodicity of stochastic curve shortening flow in the plane. *SIAM Journal on Mathematical Analysis*, 44(1):224–244, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p224_s1`.

Evans:2016:ASK

[ET16] Lawrence C. Evans and Peyam R. Tabrizian. Asymptotics for scaled Kramers–Smoluchowski equations. *SIAM Journal on Mathematical Analysis*, 48(4):2944–2961, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Erdogan:2013:HFP

[ETZ13] M. B. Erdogan, N. Tzirakis, and V. Zharnitsky. High frequency perturbation of cnoidal waves in KdV. *SIAM Journal on Mathematical Analysis*, 44(6):4147–4164, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Evje:2011:WSG

[Evj11] Steinar Evje. Weak solutions for a gas-liquid model relevant for describing gas-kick in oil wells. *SIAM Journal on Mathematical Analysis*, 43(4): 1887–1922, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1887_s1`.

Evje:2013:CTP

[Evj13a] Steinar Evje. A compressible two-phase model with pressure-dependent well-reservoir interaction. *SIAM Journal on Mathematical Analysis*, 45(2):518–546, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Evje:2013:GTP

[Evj13b] Steinar Evje. Genuine two-phase flow dynamics with a free interface separating gas-liquid mixture from gas. *SIAM Journal on Mathematical Analysis*, 45(5):2894–2923, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Elgindi:2015:SDE

[EW15a] Tarek M. Elgindi and Klaus Widmayer. Sharp decay estimates for an anisotropic linear semigroup and applications to the surface quasi-geostrophic and inviscid Boussinesq systems. *SIAM Journal on Mathematical Analysis*, 47(6):4672–4684, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Evje:2015:GSV

[EW15b] Steinar Evje and Huanyao Wen. Global solutions of a viscous gas-liquid model with unequal fluid velocities in a closed conduit. *SIAM Journal on Mathematical Analysis*, 47(1):381–406, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Evje:2018:STF

[EW18] Steinar Evje and Huanyao Wen. A Stokes two-fluid model for cell migration that can account for physical cues in the microenvironment. *SIAM Journal on Mathematical Analysis*, 50(1):86–118, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ehrnstrom:2019:EET

[EW19] Mats Ehrnström and Yuexun Wang. Enhanced existence time of solutions to the fractional Korteweg–de Vries equation. *SIAM Journal on Mathematical Analysis*, 51(4):3298–3323, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Faierman:2014:ITP

[Fai14] Melvin Faierman. The interior transmission problem: Spectral theory. *SIAM Journal on Mathematical Analysis*, 46(1):803–819, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fajman:2016:LWP

[Faj16] David Fajman. Local well-posedness for the Einstein–Vlasov system. *SIAM Journal on Mathematical Analysis*, 48(5):3270–3321, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fehrman:2013:SHM

[Feh13] Benjamin J. Fehrman. Stochastic homogenization of monotone systems of viscous Hamilton–Jacobi equations with convex nonlinearities. *SIAM Journal on Mathematical Analysis*, 45(4):2441–2476, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feldman:2018:SSP

[Fel18] William M. Feldman. Stability of Serrin's problem and dynamic stability of a model for contact angle motion. *SIAM Journal on Mathematical Analysis*, 50(3): 3303–3326, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ferreira:2012:RHM

[FF12] Rita Ferreira and Irene Fonseca. Reiterated homogenization in BV via multiscale convergence. *SIAM Journal on Mathematical Analysis*, 44(3): 2053–2098, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Foldes:2017:AAR

[FFGHR17] Juraj Földes, Susan Friedlander, Nathan Glatt-Holtz, and Geordie Richards. Asymptotic analysis for randomly forced MHD. *SIAM Journal on Mathematical Analysis*, 49(6):4440–4469, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fischer:2015:FSP

[FG15] Julian Fischer and Günther Grün. Finite speed of propagation and waiting times for the stochastic porous medium equation: a unifying approach. *SIAM Journal on Mathematical Analysis*, 47(1): 825–854, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ferreira:2018:EWS

[FG18a] Rita Ferreira and Diogo Gomes. Existence of weak solutions to stationary mean-field games through variational inequalities. *SIAM Journal on Mathematical Analysis*, 50(6):5969–6006, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fischer:2018:EPS

[FG18b] Julian Fischer and Günther Grün. Existence of positive solutions to stochastic thin-film equations. *SIAM Journal on Mathematical Analysis*, 50 (1):411–455, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fontelos:2011:PFM

[FGJ11] M. A. Fontelos, G. Grün, and S. Jörres. On a phase-field model for electrowetting and other electrokinetic phenomena. *SIAM Journal on Mathematical Analysis*, 43(1): 527–563, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p527_s1.

Feireisl:2012:SLC

[FGN12] Eduard Feireisl, Isabelle Gallagher, and Antonín Novotný. A singular limit for compressible rotating fluids. *SIAM Journal on Mathematical Analysis*, 44(1):192–205, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p192_s1.

Felea:2013:MAS

[FGN13] Raluca Felea, Romina Gaburro, and Clifford J. Nolan. Microlocal analysis of SAR imaging of a dynamic reflectivity function. *SIAM Journal on Mathematical Analysis*, 45(5): 2767–2789, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Figalli:2015:CID

[FGR15] Alessio Figalli, Thomas O. Gallouët, and Ludovic Rifford. On the convexity of injectivity domains on nonfocal manifolds. *SIAM Journal on Mathematical Analysis*, 47(2): 969–1000, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fang:2013:FBT

[FGW13] Chun Fang, Mats Gyllenberg, and Yi Wang. Floquet bundles for tridiagonal competitive-cooperative systems and the dynamics of time-recurrent systems. *SIAM Journal on Mathematical Analysis*, 45(4):2477–2498, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Frid:2011:SMN

[FHK11] Hermano Frid, Helge Holden, and Kenneth H. Karlsen. L^∞ solutions for a model of nonisothermal polytropic gas flow. *SIAM Journal on Mathematical Analysis*, 43(5): 2253–2274, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2253_s1.

Friedman:2013:DAL

[FHK13] Avner Friedman, Bei Hu, and James P. Keener. The diffusion approximation for linear nonautonomous reaction-hyperbolic equations. *SIAM*

Journal on Mathematical Analysis, 45(4):2285–2298, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Freddi:2016:VMA

[FHMP16] Lorenzo Freddi, Peter Hornung, Maria Giovanna Mora, and Roberto Paroni. A variational model for anisotropic and naturally twisted ribbons. *SIAM Journal on Mathematical Analysis*, 48(6): 3883–3906, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fontelos:2016:SIB

[FHO16] Marco A. Fontelos, Hyung Ju Hwang, and Youngmin Oh. Stability, instability, and bifurcation in electrified thin films. *SIAM Journal on Mathematical Analysis*, 48(4): 2730–2782, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Friedman:2010:AMM

[FHX10] Avner Friedman, Bei Hu, and Chuan Xue. Analysis of a mathematical model of ischemic cutaneous wounds. *SIAM Journal on Mathematical Analysis*, 42(5):2013–2040, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Focardi:2014:AAA

[FI14] M. Focardi and F. Iurlano. Asymptotic analysis of Ambrosio–Tortorelli energies in linearized elasticity. *SIAM Journal on Mathematical Analysis*, 46(4):2936–2955, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fischer:2013:ADS

[Fis13] Julian Fischer. Advection-driven support shrinking in a chemotaxis model with degenerate mobility. *SIAM Journal on Mathematical Analysis*, 45(3):1585–1615, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Frometa:2018:SLL

[FJ18] Susana Frómeta and Milton Jara. Scaling limit for a long-range divisible sandpile. *SIAM Journal on Mathematical Analysis*, 50(3):2317–2361, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Frank:2013:HKM

[FK13] Rupert L. Frank and Hynek Kovarík. Heat kernels of metric trees and applications. *SIAM Journal on Mathematical Analysis*, 45(3):1027–1046, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Friedrich:2018:PNL

[FK18] Manuel Friedrich and Martin Kružík. On the passage from nonlinear to linearized viscoelasticity. *SIAM Journal on Mathematical Analysis*, 50(4): 4426–4456, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fedotov:2019:CWM

[FK19a] Alexander Fedotov and Frédéric Klopp. The complex WKB method for difference equations and Airy functions. *SIAM Journal on Mathematical Analysis*, 51(6):4413–4447, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feizmohammadi:2019:RNC

[FK19b] Ali Feizmohammadi and Yavar Kian. Recovery of nonsmooth coefficients appearing in anisotropic wave equations. *SIAM Journal on Mathematical Analysis*, 51(6): 4953–4976, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fernandez:2016:EUR

[FKM+16] J. R. Fernández, P. Kalita, S. Migórski, M. C. Muñiz, and C. Núñez. Existence and uniqueness results for a kinetic model in bulk-surface surfactant dynamics. *SIAM Journal on Mathematical Analysis*, 48(5):3065–3089, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feireisl:2019:LMN

[FKM19] Eduard Feireisl, Christian Klingenberg, and Simon Markfelder. On the low Mach number limit for the compressible Euler system. *SIAM Journal on Mathematical Analysis*, 51(2):1496–1513, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feireisl:2014:ILF

[FKN+14] Eduard Feireisl, Ondrej Kreml, Sárka Necasová, Jirí Neustupa, and Jan Stebel. Incompressible limits of fluids excited by moving boundaries. *SIAM Journal on Mathematical Analysis*, 46(2):1456–1471, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feireisl:2015:SIR

[FKV15] E. Feireisl, O. Kreml, and A. Vasseur. Stability of the isentropic Riemann solutions of the full multidimensional Euler system. *SIAM Journal on Mathematical Analysis*, 47(3):2416–2425, ???? 2015. CODEN SJMAAH. ISSN

0036-1410 (print), 1095-7154 (electronic).

Fan:2012:SWP

[FL12a] Haitao Fan and Xiao-Biao Lin. Standing waves for phase transitions in a spherically symmetric nozzle. *SIAM Journal on Mathematical Analysis*, 44(1):405–436, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p405_s1`.

Frouvelle:2012:DKM

[FL12b] Amic Frouvelle and Jian-Guo Liu. Dynamics in a kinetic model of oriented particles with phase transition. *SIAM Journal on Mathematical Analysis*, 44(2):791–826, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Frank:2015:CLA

[FL15] Rupert L. Frank and Elliott H. Lieb. A compactness lemma and its application to the existence of minimizers for the liquid drop model. *SIAM Journal on Mathematical Analysis*, 47(6): 4436–4450, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fonseca:2017:WAT

[FL17] Irene Fonseca and Pan Liu. The weighted Ambrosio–Tortorelli approximation scheme. *SIAM Journal on Mathematical Analysis*, 49(6):4491–4520, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Flandoli:2019:KEA

[FL19] Franco Flandoli and Dejun Luo. Kolmogorov equations associated to the stochastic two dimensional Euler equations. *SIAM Journal on Mathematical Analysis*, 51(3): 1761–1791, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Frid:2018:MAT

[FMP18] Hermano Frid, Daniel R. Marroquin, and Ronghua Pan. Modeling Aurora type phenomena by short wave-long wave interactions in multidimensional large magnetohydrodynamic flows. *SIAM Journal on Mathematical Analysis*, 50(6):6156–6195, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fanzon:2019:DLP

[FPP19] Silvio Fanzon, Mariapia Palombaro, and Marcello Ponsiglione. Derivation of linearized polycrystals from a two-dimensional system of edge dislocations. *SIAM Journal on Mathematical Analysis*, 51(5):3956–3981, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Furioli:2012:GCL

[FPTT12] G. Furioli, A. Pulvirenti, E. Terraneo, and G. Toscani. The grazing collision limit of the inelastic Kac model around a Lévy-type equilibrium. *SIAM Journal on Mathematical Analysis*, 44(2): 827–850, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ferreira:2013:NNS

[FPVR13] Lucas C. F. Ferreira, Gabriela Planas, and Elder J. Villamizar-Roa. On the nonhomogeneous Navier–Stokes system with Navier friction boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(4): 2576–2595, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Frid:2014:GSS

[FPZ14] Hermano Frid, Ronghua Pan, and Weizhe Zhang. Global smooth solutions in $\mathbf{R}^3$ to short wave-long wave interactions systems for viscous compressible fluids. *SIAM Journal on Mathematical Analysis*, 46(3):1946–1968, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Felea:2011:MPL

[FQ11] Raluca Felea and Eric Todd Quinto. The microlocal properties of the local 3-D SPECT operator. *SIAM Journal on Mathematical Analysis*, 43(3): 1145–1157, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1145_s1`.

Frikel:2016:LDP

[FQ16] Jürgen Frikel and Eric Todd Quinto. Limited data problems for the generalized Radon transform in $\mathbf{R}^n$. *SIAM Journal on Mathematical Analysis*, 48(4):2301–2318, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Felmer:2010:RPS

[FQS10] Patricio Felmer, Alexander Quaas, and Boyan Sirakov. Resonance phenomena for second-order stochastic control equations. *SIAM Journal on Mathematical Analysis*, 42 (3):997–1024, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fischer:2017:LPL

[FR17] Julian Fischer and Claudia Raithel. Liouville principles and a large-scale regularity theory for random elliptic operators on the half-space. *SIAM Journal on Mathematical Analysis*, 49(1): 82–114, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Friedrich:2018:PKI

[Fri18] Manuel Friedrich. A piecewise Korn inequality in SBD and applications to embedding and density results. *SIAM Journal on Mathematical Analysis*, 50(4):3842–3918, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Friesecke:2019:SCM

[Fri19] Gero Friesecke. A simple counterexample to the Monge ansatz in multi-marginal optimal transport, convex geometry of the set of Kantorovich plans, and the Frenkel–Kontorova model. *SIAM Journal on Mathematical Analysis*, 51(6):4332–4355, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fan:2019:ASR

[FRX19] Lili Fan, Lizhi Ruan, and Wei Xiang. Asymptotic stability of rarefaction wave for the inflow problem governed by the one-dimensional radiative Euler equations. *SIAM Journal on Mathematical Analysis*, 51 (1):595–625, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fishman:2014:MTA

[FS14] Shmuel Fishman and Avy Soffer. Multiscale time averaging, reloaded. *SIAM Journal on Mathematical Analysis*, 46(2): 1385–1405, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Frehse:2015:RTD

[FS15] Jens Frehse and Sebastian Schwarzacher. On regularity of the time derivative for degenerate parabolic systems. *SIAM Journal on Mathematical Analysis*, 47(5): 3917–3943, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feldman:2013:LSS

[FT13] Mikhail Feldman and Adrian Tudorascu. On Lagrangian solutions for the semi-geostrophic system with singular initial data. *SIAM Journal on Mathematical Analysis*, 45(3): 1616–1640, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feischl:2017:ERS

[FT17] Michael Feischl and Thanh Tran. Existence of regular solutions of the Landau–Lifshitz–Gilbert equation in 3D with natural boundary conditions. *SIAM Journal on Mathematical Analysis*, 49(6): 4470–4490, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Friesecke:2018:BCD

[FV18] Gero Friesecke and Daniela Vögler. Breaking the curse of dimension in multi-marginal Kantorovich optimal transport on finite state spaces. *SIAM Journal on Mathematical Analysis*, 50(4):3996–4019, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Faver:2018:EDF

[FW18a] Timothy E. Faver and J. Douglas Wright. Exact diatomic Fermi–Pasta–Ulam–Tsingou solitary waves with optical band ripples at infinity. *SIAM Journal on Mathematical Analysis*, 50(1): 182–250, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Franz:2018:CSP

[FW18b] Tino Franz and Holger Wendland. Convergence of the smoothed particle hydrodynamics method for a specific barotropic fluid flow: Constructive kernel theory. *SIAM Journal on Mathematical Analysis*, 50(5):4752–4784, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feng:2017:S

[FWW17] Lirui Feng, Yi Wang, and Jianhong Wu. Semiflows "Monotone with respect to high-rank cones" on a Banach space. *SIAM Journal on Mathematical Analysis*, 49 (1):142–161, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fei:2013:BSD

[FY13a] Mingwen Fei and Huicheng Yin. Bound states of 2-D nonlinear Schrödinger equations with potentials tending to zero at infinity. *SIAM Journal on Mathematical Analysis*, 45(4):2299–2331, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Felmer:2013:FPF

[FY13b] Patricio Felmer and Miguel Yangari. Fast propagation for fractional KPP equations with slowly decaying initial conditions. *SIAM Journal on Mathematical Analysis*, 45(2): 662–678, ???? 2013. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fang:2014:TWM

[FZ14] Jian Fang and Xiao-Qiang Zhao. Traveling waves for monotone semiflows with weak compactness. *SIAM Journal on Mathematical Analysis*, 46(6):3678–3704, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fang:2016:GSO

[FZ16] Daoyuan Fang and Ruizhao Zi. Global solutions to the Oldroyd-B model with a class of large initial data. *SIAM Journal on Mathematical Analysis*, 48(2):1054–1084, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fang:2018:GSI

[FZZ18] Daoyuan Fang, Ting Zhang, and Ruizhao Zi. Global solutions to the isentropic compressible Navier–Stokes equations with a class of large initial data. *SIAM Journal on Mathematical Analysis*, 50(5): 4983–5026, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Garnier:2011:ASI

[Gar11] Jimmy Garnier. Accelerating solutions in integro-differential equations. *SIAM Journal on Mathematical Analysis*, 43(4):1955–1974, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1955_s1`.

Gastel:2019:RIC

[Gas19] Andreas Gastel. Regularity issues for Cosserat continua and p-harmonic maps. *SIAM Journal on Mathematical Analysis*, 51(6):4287–4310, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

GarcIa-Cervera:2018:SMP

[GCGJL18] Carlos J. GarcÍa-Cervera, Tiziana Giorgi, Sookyung Joo, and Xin Yang Lu. Switching mechanism in the $B_{1RevTilted}$ phase of bent-core liquid crystals. *SIAM Journal on Mathematical Analysis*, 50(5):4889–4913, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gess:2013:FSP

[Ges13] Benjamin Gess. Finite speed of propagation for stochastic porous media equations. *SIAM Journal on Mathe-*

matical Analysis, 45(5):2734–2766, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Glitzky:2010:EBS

[GG10] Annegret Glitzky and Klaus Gärtner. Existence of bounded steady state solutions to spin-polarized drift-diffusion systems. *SIAM Journal on Mathematical Analysis*, 41(6):2489–2513, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gao:2014:RAS

[GGAS14] Hongjun Gao, María J. Garrido-Atienza, and Björn Schmalfuss. Random attractors for stochastic evolution equations driven by fractional Brownian motion. *SIAM Journal on Mathematical Analysis*, 46(4):2281–2309, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guillen-Gonzalez:2014:WTR

[GGRB14] Francisco Guillén-González and MarÍa Ángeles RodrÍguez-Bellido. Weak time regularity and uniqueness for a Q-tensor model. *SIAM Journal on Mathematical Analysis*, 46(5):3540–3567, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Greenlee:2010:QIR

[GH10] W. M. Greenlee and L. Hermi. Quadratic interpolation and Rayleigh–Ritz methods for bifurcation coefficients. *SIAM Journal on Mathematical Analysis*, 42(6):2987–3019, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2987_s1`.

Guglielmi:2012:AER

[GH12] Nicola Guglielmi and Ernst Hairer. Asymptotic expansions for regularized state-dependent neutral delay equations. *SIAM Journal on Mathematical Analysis*, 44(4):2428–2458, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grabovsky:2014:ESE

[GH14] Yury Grabovsky and Davit Harutyunyan. Exact scaling exponents in Korn and Korn-type inequalities for cylindrical shells. *SIAM Journal on Mathematical Analysis*, 46(5):3277–3295, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grebenkov:2018:SPB

[GH18] Denis S. Grebenkov and Bernard Helffer. On spectral properties of the Bloch–Torrey operator in two dimensions. *SIAM Journal on Mathematical Analysis*, 50(1): 622–676, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grebenkov:2017:CAO

[GHH17] Denis S. Grebenkov, Bernard Helffer, and Raphael Henry. The complex Airy operator on the line with a semipermeable barrier. *SIAM Journal on Mathematical Analysis*, 49(3): 1844–1894, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ghisi:2013:ALM

[Ghi13] Marina Ghisi. Asymptotic limits for mildly degenerate Kirchhoff equations. *SIAM Journal on Mathematical Analysis*, 45(3):1886–1906, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2013:MSO

[GHLN13] Zihua Guo, Nakao Hayashi, Yiquan Lin, and Pavel I. Naumkin. Modified scattering operator for the derivative nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 45(6): 3854–3871, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Goudon:2010:NSV

[GHMZ10] Thierry Goudon, Lingbing He, Ayman Moussa, and Ping Zhang. The Navier–Stokes–Vlasov–Fokker–Planck system near equilibrium. *SIAM Journal on Mathematical Analysis*, 42(5):2177–2202, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Geronimo:2015:HBA

[GI15] Jeffrey S. Geronimo and Plamen Iliev. A hypergeometric basis for the Alpert multiresolution analysis. *SIAM Journal on Mathematical Analysis*, 47 (1):654–668, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giacomelli:2015:FSP

[Gia15] Lorenzo Giacomelli. Finite speed of propagation and waiting time phenomena for degenerate parabolic equations with linear growth Lagrangian. *SIAM Journal on Mathematical Analysis*, 47(3): 2426–2441, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giesselmann:2014:REA

[Gie14] Jan Giesselmann. A relative entropy approach to convergence of a low order approximation to a nonlinear elasticity model with viscosity and capillarity. *SIAM Journal on Mathematical Analysis*, 46(5): 3518–3539, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ginster:2019:SGP

[Gin19] Janusz Ginster. Strain-gradient plasticity as the Γ-limit of a nonlinear dislocation energy with mixed growth. *SIAM Journal on Mathematical Analysis*, 51(4): 3424–3464, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gaitan:2013:IPT

[GIP+13] P. Gaitan, H. Isozaki, O. Poisson, S. Siltanen, and J. P. Tamminen. Inverse problems for time-dependent singular heat conductivities — one-dimensional case. *SIAM Journal on Mathematical Analysis*, 45(3):1675–1690, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Geronimo:2017:AML

[GIV17] Jeffrey S. Geronimo, Plamen Iliev, and Walter Van Assche. Alpert multiwavelets and Legendre–Angelesco multiple orthogonal polynomials. *SIAM Journal on Mathematical Analysis*, 49(1):626–645, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gwiazda:2012:MDC

[GJMC12] Piotr Gwiazda, Grzegorz Jamróz, and Anna Marciniak-Czochra. Models of discrete and continuous cell differentiation in the framework of transport equation. *SIAM Journal on Mathematical Analysis*, 44(2):1103–1133, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2015:SVC

[GJZ15] Yan Guo, Song Jiang, and Chunhui Zhou. Steady viscous compressible channel flows. *SIAM Journal on Mathematical Analysis*, 47(5): 3648–3670, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gyongy:2010:AFD

[GK10] István Gyöngy and Nicolai Krylov. Accelerated finite difference schemes for linear stochastic partial differential equations in the whole space. *SIAM Journal on Mathematical Analysis*, 42(5): 2275–2296, ???? 2010. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gu:2018:FRS

[GKR18] Yu Gu, Tomasz Komorowski, and Lenya Ryzhik. Fluctuations of random semilinear advection equations. *SIAM Journal on Mathematical Analysis*, 50(5):5293–5336, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gerolin:2019:NOT

[GKR19] Augusto Gerolin, Anna Kausamo, and Tapio Rajala. Nonexistence of optimal transport maps for the multimarginal repulsive harmonic cost. *SIAM Journal on Mathematical Analysis*, 51(3):2359–2371, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2012:OSR

[GL12] Kanghui Guo and Demetrio Labate. Optimally sparse representations of 3D data with C^2 surface singularities using Parseval frames of shearlets. *SIAM Journal on Mathematical Analysis*, 44(2):851–886, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grubic:2015:ASO

[GL15] Nastasia Grubic and Philippe G. LeFloch. On the area of the symmetry orbits in weakly regular Einstein–Euler spacetimes with Gowdy symmetry. *SIAM Journal on Mathematical Analysis*, 47(1):669–683, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gao:2017:GCS

[GL17] Yu Gao and Jian-Guo Liu. Global convergence of a sticky particle method for the modified Camassa–Holm equation. *SIAM Journal on Mathematical Analysis*, 49(2):1267–1294, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gontier:2019:SSB

[GL19a] David Gontier and Mathieu Lewin. Spin symmetry breaking in the translation-invariant Hartree–Fock electron gas. *SIAM Journal on Mathematical Analysis*, 51(4):3388–3423, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gravina:2019:HOG

[GL19b] Giovanni Gravina and Giovanni Leoni. Higher order gamma-limits for singularly perturbed Dirichlet–Neumann problems. *SIAM*

Journal on Mathematical Analysis, 51(4):3337–3372, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Glasner:2017:MED

[Gla17] Karl Glasner. Multilayered equilibria in a density functional model of copolymer-solvent mixtures. *SIAM Journal on Mathematical Analysis*, 49(2):1593–1620, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Glitzky:2013:EMS

[Gli13] Annegret Glitzky. An electronic model for solar cells including active interfaces and energy resolved defect densities. *SIAM Journal on Mathematical Analysis*, 44(6):3874–3900, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gao:2017:WSC

[GLL17] Yuan Gao, Jian-Guo Liu, and Jianfeng Lu. Weak solution of a continuum model for vicinal surface in the attachment-detachment-limited regime. *SIAM Journal on Mathematical Analysis*, 49(3):1705–1731, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gao:2018:DRM

[GLL18] Yu Gao, Lei Li, and Jian-Guo Liu. A dispersive regularization for the modified Camassa–Holm equation. *SIAM Journal on Mathematical Analysis*, 50(3):2807–2838, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ghazaryan:2010:STW

[GLS10] Anna Ghazaryan, Yuri Latushkin, and Stephen Schecter. Stability of traveling waves for a class of reaction–diffusion systems that arise in chemical reaction models. *SIAM Journal on Mathematical Analysis*, 42(6):2434–2472, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gunther:2010:SMM

[GLT10] Uwe Günther, Heinz Langer, and Christiane Tretter. On the spectrum of the magnetohydrodynamic mean-field α^2-dynamo operator. *SIAM Journal on Mathematical Analysis*, 42(3):1413–1447, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2017:LUR

[GLW17] Yujin Guo, Changshou Lin, and Juncheng Wei. Local uniqueness and refined spike profiles of ground states for two-dimensional attractive Bose–Einstein condensates. *SIAM Journal on Mathematical Analysis*, 49(5): 3671–3715, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ghazaryan:2018:SPF

[GLY18] A. Ghazaryan, Y. Latushkin, and X. Yang. Stability of a planar front in a class of reaction-diffusion systems. *SIAM Journal on Mathematical Analysis*, 50(5):5569–5615, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gao:2017:ATA

[GLZ17] Yixian Gao, Peijun Li, and Bo Zhang. Analysis of transient acoustic-elastic interaction in an unbounded structure. *SIAM Journal on Mathematical Analysis*, 49(5): 3951–3972, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giacomelli:2010:RSH

[GM10] Lorenzo Giacomelli and Salvador Moll. Rotationally symmetric 1-harmonic flows from D^2 to S^2: Local well-posedness and finite time blowup. *SIAM Journal on Mathematical Analysis*, 42(6): 2791–2817, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gerard:2011:SPS

[GM11] Patrick Gérard and Florian Méhats. The Schrödinger–Poisson system on the sphere. *SIAM Journal on Mathematical Analysis*, 43(3):1232–1268, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1232_s1`.

Gigli:2013:GHC

[GM13] Nicola Gigli and Jan Maas. Gromov–Hausdorff convergence of discrete transportation metrics. *SIAM Journal on Mathematical Analysis*, 45 (2):879–899, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ghorbel:2014:ENS

[GM14] A. Ghorbel and R. Monneau. Existence and nonexistence of semidiscrete shocks for a car-following model in traffic flow. *SIAM Journal on Mathematical Analysis*, 46(6): 3612–3639, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gordon:2015:ESS

[GM15] Peter V. Gordon and Cyrill B. Muratov. Eventual self-similarity of solutions for the diffusion equation with nonlinear absorption and a point source. *SIAM Journal on Mathematical Analysis*, 47(4): 2903–2916, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gallouet:2017:JSS

[GM17a] Thomas O. Gallouët and Léonard Monsaingeon. A JKO splitting scheme for Kantorovich–Fisher–Rao gradient flows. *SIAM Journal on Mathematical Analysis*, 49(2): 1100–1130, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gesu:2017:FMA

[GM17b] Giacomo Di Gesù and Mauro Mariani. Full metastable asymptotic of the Fisher information. *SIAM Journal on Mathematical Analysis*, 49(4): 3048–3072, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Goldman:2017:PSB

[GM17c] M. Goldman and B. Merlet. Phase segregation for binary mixtures of Bose–Einstein condensates. *SIAM Journal on Mathematical Analysis*, 49 (3):1947–1981, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giacomelli:2013:HFV

[GMM13] Lorenzo Giacomelli, José M. Mazón, and Salvador Moll. The 1-harmonic flow with values into $\mathbf{S}^1$. *SIAM Journal on Mathematical Analysis*, 45(3): 1723–1740, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Germain:2013:NGS

[GMP13] Pierre Germain, Nader Masmoudi, and Benoit Pausader. Nonneutral global solutions for the electron Euler–Poisson system in three dimensions. *SIAM Journal on Mathematical Analysis*, 45(1):267–278, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giga:2016:ASS

[GMT16] Yoshikazu Giga, Hiroyoshi Mitake, and Hung V. Tran. On asymptotic speed of solutions to level-set mean curvature flow equations with driving and source terms. *SIAM Journal on Mathematical Analysis*, 48(5):3515–3546, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giorgini:2019:URN

[GMT19] Andrea Giorgini, Alain Miranville, and Roger Temam. Uniqueness and regularity for the Navier–Stokes–Cahn–Hilliard system. *SIAM Journal on Mathematical Analysis*, 51(3):2535–2574, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guarguaglini:2015:GSS

[GN15] F. R. Guarguaglini and R. Natalini. Global smooth solutions for a hyperbolic chemotaxis model on a network. *SIAM Journal on Mathematical Analysis*, 47(6):4652–4671, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grenier:2019:GFO

[GN19] Emmanuel Grenier and Toan T. Nguyen. Green function of Orr–Sommerfeld equations away from critical layers. *SIAM Journal on Mathematical Analysis*, 51(2):1279–1296, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gnann:2015:WPS

[Gna15] Manuel V. Gnann. Well-posedness and self-similar asymptotics for a thin-film equation. *SIAM Journal on Mathematical Analysis*, 47(4):2868–2902, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Generau:2018:LVM

[GO18] François Générau and Edouard Oudet. Large volume minimizers of a nonlocal isoperimetric problem: Theoretical and numerical approaches. *SIAM Journal on Mathematical Analysis*, 50(3):3427–3450, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gustafson:2011:SDD

[GP11] Stephen Gustafson and Tuoc Van Phan. Stable directions for degenerate excited states of nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 43(4):1716–1758, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1716_s1`.

Graf:2014:DSB

[GP14] Isabell Graf and Malte A. Peter. Diffusion on surfaces and the boundary periodic unfolding operator with an application to carcinogenesis in human cells. *SIAM Journal on Mathematical Analysis*, 46(4):3025–3049, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gomes:2015:TDM

[GP15] Diogo A. Gomes and Edgard Pimentel. Time-dependent mean-field games with logarithmic nonlinearities. *SIAM Journal on Mathematical Analysis*, 47(5):3798–3812, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guevara:2018:LSS

[GP18] Cristi Guevara and Nguyen Cong Phuc. Leray's self-similar solutions to the Navier–Stokes equations with profiles in Marcinkiewicz and Morrey spaces. *SIAM Journal on Mathematical Analysis*, 50(1): 541–556, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Geyer:2019:LIU

[GP19] Anna Geyer and D. Pelinovsky. Linear instability and uniqueness of the peaked periodic wave in the reduced Ostrovsky equation. *SIAM Journal on Mathematical Analysis*, 51(2):1188–1208, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Griffin-Pickering:2018:MFA

[GPI18] Megan Griffin-Pickering and Mikaela Iacobelli. A mean field approach to the quasineutral limit for the Vlasov–Poisson equation. *SIAM Journal on Mathematical Analysis*, 50(5):5502–5536, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giacomin:2013:TAR

[GPPP13] Giambattista Giacomin, Khashayar Pakdaman, Xavier Pellegrin, and Christophe Poquet. Transitions in active rotator systems: Invariant hyperbolic manifold approach. *SIAM Journal on Mathematical Analysis*, 44(6): 4165–4194, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gamba:2019:PEW

[GPT19] Irene M. Gamba, Natasa Pavlović, and Maja Tasković. On pointwise exponentially weighted estimates for the Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 51(5):3921–3955, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gianni:2013:MDD

[GR13a] Roberto Gianni and Fabio Rosso. Modeling degradating dispersions in a three-dimensional finite container under general boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(4): 2332–2353, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gurumoorthy:2013:DTG

[GR13b] Karthik S. Gurumoorthy and Anand Rangarajan. Distance transform gradient density estimation using the stationary phase approximation. *SIAM Journal on Mathematical Analysis*, 44(6):4250–4273, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gess:2015:SDM

[GR15a] Benjamin Gess and Michael Röckner. Singular-degenerate multivalued stochastic fast diffusion equations. *SIAM Journal on Mathematical Analysis*, 47(5):4058–4090, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grudsky:2015:STH

[GR15b] Sergei Grudsky and Alexei Rybkin. Soliton theory and Hankel operators. *SIAM Journal on Mathematical Analysis*, 47(3):2283–2323, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grande:2019:STF

[Gra19] Ricardo Grande. Space-time fractional nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 51(5):4172–4212, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grohs:2010:GPA

[Gro10] Philipp Grohs. A general proximity analysis of nonlinear subdivision schemes. *SIAM Journal on Mathematical Analysis*, 42(2):729–750, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gourley:2014:UPM

[GRT14] Stephen A. Gourley, Gergely Röst, and Horst R. Thieme. Uniform persistence in a model for bluetongue dynamics. *SIAM Journal on Mathematical Analysis*, 46(2):1160–1184, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giorgi:2010:GUS

[GS10a] Tiziana Giorgi and Robert G. Smits. Gauge uniqueness of solutions to the Ginzburg–Landau system for small superconducting domains. *SIAM Journal on Mathematical Analysis*, 42(1):163–182, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Girault:2010:TDT

[GS10b] V. Girault and L. Ridgway Scott. On a time-dependent transport equation in a Lipschitz domain. *SIAM Journal on Mathematical Analysis*, 42(4):1721–1731, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Galvis:2012:RRO

[GS12a] Juan Galvis and Marcus Sarkis. Regularity results for the ordinary product stochastic pressure equation. *SIAM Journal on Mathematical Analysis*, 44(4):2637–2665, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Glass:2012:MRB

[GS12b] Olivier Glass and Franck Sueur. On the motion of a rigid body in a two-dimensional irregular ideal flow. *SIAM Journal on Mathematical Analysis*, 44(5):3101–3126, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gaudiello:2015:HHO

[GS15a] Antonio Gaudiello and Ali Sili. Homogenization of highly oscillating boundaries with strongly contrasting diffusivity. *SIAM Journal on Mathematical Analysis*, 47(3):1671–1692, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gu:2015:HSS

[GS15b] Shu Gu and Zhongwei Shen. Homogenization of Stokes systems and uniform regularity estimates. *SIAM Journal on Mathematical Analysis*, 47(5):4025–4057, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2015:NTZ

[GS15c] Jong-Shenq Guo and Philippe Souplet. No touchdown at zero points of the permittivity profile for the MEMS problem. *SIAM Journal on Mathematical Analysis*, 47(1):614–625, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grandi:2017:FPP

[GS17] D. Grandi and U. Stefanelli. Finite plasticity in $P^{\top}P$. part II: Quasi-static evolution and linearization. *SIAM Journal on Mathematical Analysis*, 49(2):1356–1384, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guillen:2018:NHI

[GS18] Nestor Guillen and Russell W. Schwab. Neumann homogenization via integro-differential Operators.Part 2: Singular gradient dependence. *SIAM Journal on Mathematical Analysis*, 50(2):1679–1719, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guerra:2019:VVB

[GS19] Graziano Guerra and Wen Shen. Vanishing viscosity and backward Euler approximations for conservation laws with discontinuous flux. *SIAM Journal on Mathematical Analysis*, 51(4): 3112–3144, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gurevich:2013:RDE

[GST13] Pavel Gurevich, Roman Shamin, and Sergey Tikhomirov. Reaction–diffusion equations with spatially distributed hysteresis. *SIAM Journal on Mathematical Analysis*, 45(3):1328–1355, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Golovaty:2019:GLT

[GSV19] Dmitry Golovaty, Peter Sternberg, and Raghavendra Venkatraman. A Ginzburg–Landau-Type problem for highly anisotropic nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 51(1): 276–320, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gasser:2016:ECJ

[GSW16] Ingenuin Gasser, Peter Szmolyan, and Johannes Wächtler. Existence of Chapman–Jouguet detonation and deflagration waves. *SIAM Journal on Mathematical Analysis*, 48(2): 1400–1422, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guillod:2018:NSE

[GSWZ18] Julien Guillod, Guido Schneider, Peter Wittwer, and Dominik Zimmermann. Nonlinear stability at the Eckhaus boundary. *SIAM Journal on Mathematical Analysis*, 50(5): 4699–4720, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2010:LRT

[GT10] Yan Guo and Ian Tice. Linear Rayleigh–Taylor instability for viscous, compressible fluids. *SIAM Journal on Mathematical Analysis*, 42(4): 1688–1720, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gess:2016:ELL

[GT16] Benjamin Gess and Jonas M. Tölle. Ergodicity and local limits for stochastic local and nonlocal p-Laplace equations. *SIAM Journal on Mathematical Analysis*, 48(6): 4094–4125, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Galiano:2019:WPC

[GV19] Gonzalo Galiano and Julián Velasco. Well-posedness of a cross-diffusion population model with nonlocal diffusion. *SIAM Journal on Mathematical Analysis*, 51(4): 2884–2902, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gerard-Varet:2016:BLN

[GVWK16] David Gérard-Varet and Aneta Wróblewska-Kamińska. Boundary layer for a non-Newtonian flow over a rough surface. *SIAM Journal on Mathematical Analysis*, 48(5): 3123–3147, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Garcia:2016:DTE

[GVZ16] Andoni García, Esa V. Vesalainen, and Miren Zubeldia. Discreteness of transmission eigenvalues for higher-order main terms and perturbations. *SIAM Journal on Mathematical Analysis*, 48(4): 2382–2398, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grasselli:2013:LTB

[GW13] Maurizio Grasselli and Hao Wu. Long-time behavior for a hydrodynamic model on nematic liquid crystal flows with asymptotic stabilizing boundary condition and external force. *SIAM Journal on Mathematical Analysis*, 45(3):965–1002, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guillod:2015:GSI

[GW15] Julien Guillod and Peter Wittwer. Generalized scale-invariant solutions to the two-dimensional stationary Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 47(1):955–968, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guidotti:2018:MSD

[GW18] Patrick Guidotti and Christoph Walker. On a model for a sliding droplet: Well-posedness and stability of translating circular solutions. *SIAM Journal on Mathematical Analysis*, 50(2):1656–1678, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gu:2017:OBE

[GX17] Shu Gu and Qiang Xu. Optimal boundary estimates for Stokes systems in homogenization theory. *SIAM Journal on Mathematical Analysis*, 49(5):3831–3853, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Golgeleyen:2016:SSI

[GY16a] Fikret Gölgeleyen and Masahiro Yamamoto. Stability for some inverse problems for transport equations. *SIAM Journal on Mathematical Analysis*, 48(4): 2319–2344, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2016:EBR

[GY16b] Yan Guo and Xiongfeng Yang. Existence and BV-regularity for neutron transport equation in NonConvex domain. *SIAM Journal on Mathematical Analysis*, 48(5):3467–3495, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giovangigli:2018:RLI

[GYY18] Vincent Giovangigli, Zai-Bao Yang, and Wen-An Yong. Relaxation limit and initial-layers for a class of hyperbolic-parabolic systems. *SIAM Journal on Mathematical Analysis*, 50(4):4655–4697, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Geng:2013:QPS

[GZ13] Jiansheng Geng and Zhiyan Zhao. Quasi-periodic solutions for one-dimensional nonlinear lattice Schrödinger equation with tangent potential. *SIAM Journal on Mathematical Analysis*, 45(6):3651–3689, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Goldman:2014:SLR

[GZ14] M. Goldman and B. Zwicknagl. Scaling law and reduced models for epitaxially strained crystalline films. *SIAM Journal on Mathematical Analysis*, 46(1):1–24, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gualdani:2018:GEW

[GZ18] Maria Pia Gualdani and Nicola Zamponi. Global existence of weak even solutions for an isotropic Landau equation with Coulomb potential. *SIAM Journal on Mathematical Analysis*, 50(4): 3676–3714, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hall:2012:ASA

[Hal12] Eric Joseph Hall. Accelerated spatial approximations for time discretized stochastic partial differential equations. *SIAM Journal on Mathematical Analysis*, 44(5): 3162–3185, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hall:2013:HOS

[Hal13] Eric Joseph Hall. Higher order spatial approximations for degenerate parabolic stochastic partial differential equations. *SIAM Journal on Mathematical Analysis*, 45(4): 2071–2098, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Haltmeier:2014:UIF

[Hal14] Markus Haltmeier. Universal inversion formulas for recovering a function from spherical means. *SIAM Journal on Mathematical Analysis*, 46(1): 214–232, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hansen:2014:SFS

[Han14] Sönke Hansen. Subsonic free surface waves in linear elasticity. *SIAM Journal on Mathematical Analysis*, 46(4):2501–2524, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hangelbroek:2018:PDP

[Han18] Thomas C. Hangelbroek. On a polyharmonic Dirichlet problem and boundary effects in surface spline approximation. *SIAM Journal on Mathematical Analysis*, 50(4):4616–4654, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Harutyunyan:2018:KIS

[Har18] D. Harutyunyan. On the Korn interpolation and second inequalities in thin domains. *SIAM Journal on Mathematical Analysis*, 50(5): 4964–4982, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Huang:2016:GTS

[HCHY16] Bo-Chih Huang, Shih-Wei Chou, John M. Hong, and Chien-Chang Yen. Global transonic solutions of planetary atmospheres in a hydrodynamic region — hydrodynamic escape problem due to gravity and heat. *SIAM Journal on Mathematical Analysis*, 48(6):4268–4310, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Healey:2017:SBG

[HD17] Timothy J. Healey and Sanjay Dharmavaram. Symmetry-breaking global bifurcation in a surface continuum phase-field model for lipid bilayer vesicles. *SIAM Journal on Mathematical Analysis*, 49(2): 1027–1059, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Helmensdorfer:2012:MBF

[Hel12] Sebastian Helmensdorfer. A model for the behavior of fluid droplets based on mean curvature flow. *SIAM Journal on Mathematical Analysis*, 44(3): 1359–1371, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Henry:2010:ASP

[Hen10] David Henry. Analyticity of the streamlines for periodic travelling free surface capillary-gravity water waves with vorticity. *SIAM Journal on Mathematical Analysis*, 42(6):3103–3111, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3103_s1`.

Han:2013:UUN

[HF13] Zheng Han and Daoyuan Fang. On the unconditional uniqueness for NLS in $\dot{H}^s$. *SIAM Journal on Mathematical Analysis*, 45(3):1505–1526, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

He:2014:AGQ

[HGW14] Guoliang He, Xianguo Geng, and Lihua Wu. Algebro-geometric quasi-periodic solutions to the three-wave resonant interaction hierarchy. *SIAM Journal on Mathematical Analysis*, 46(2):1348–1384, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Himonas:2018:CPS

[HHK18] A. Alexandrou Himonas, Curtis Holliman, and Carlos Kenig. Construction of 2-peakon solutions and ill-posedness for the Novikov equation. *SIAM Journal on Mathematical Analysis*, 50(3): 2968–3006, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Haskovec:2018:DEE

[HHMM18] Jan Haskovec, Sabine Hittmeir, Peter Markowich, and Alexander Mielke. Decay to equilibrium for energy–reaction–diffusion systems. *SIAM Journal on Mathematical Analysis*, 50(1):1037–1075, ???? 2018. CODEN

SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hong:2017:GEC

[HHPZ17] Guangyi Hong, Xiaofeng Hou, Hongyun Peng, and Changjiang Zhu. Global existence for a class of large solutions to three-dimensional compressible magnetohydrodynamic equations with vacuum. *SIAM Journal on Mathematical Analysis*, 49(4): 2409–2441, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hanke:2009:IBP

[HHR09] Martin Hanke, Nuutti Hyvönen, and Stefanie Reusswig. An inverse backscatter problem for electric impedance tomography. *SIAM Journal on Mathematical Analysis*, 41(5): 1948–1966, ???? 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [HHR11].

Hanke:2011:EIB

[HHR11] Martin Hanke, Nuutti Hyvönen, and Stefanie Reusswig. Erratum: An inverse backscatter problem for electric impedance tomography. *SIAM Journal on Mathematical Analysis*, 43(3):1495–1497, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1495_s1`. See [HHR09].

Holding:2017:CAM

[HHR17] Thomas Holding, Harsha Hutridurga, and Jeffrey Rauch. Convergence along mean flows. *SIAM Journal on Mathematical Analysis*, 49(1): 222–271, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hunter:2012:ELS

[HI12] John K. Hunter and Mihaela Ifrim. Enhanced life span of smooth solutions of a Burgers–Hilbert equation. *SIAM Journal on Mathematical Analysis*, 44(3):2039–2052, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hisa:2019:SHE

[HI19] Kotaro Hisa and Kazuhiro Ishige. Solvability of the heat equation with a nonlinear boundary condition. *SIAM Journal on Mathematical Analysis*, 51(1):565–594, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hittmeir:2011:CDP

[HJ11] Sabine Hittmeir and Ansgar Jüngel. Cross diffusion preventing blow-up in the two-dimensional Keller–Segel model. *SIAM Journal on Mathematical Analysis*, 43(2): 997–1022, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p997_s1`. See corrigendum [BCJ20].

Hur:2015:SPT

[HJ15] Vera Mikyoung Hur and Mathew A. Johnson. Stability of periodic traveling waves for nonlinear dispersive equations. *SIAM Journal on Mathematical Analysis*, 47(5): 3528–3554, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hwang:2018:FPE

[HJJ18] Hyung Ju Hwang, Juhi Jang, and Jaewoo Jung. The Fokker–Planck equation with absorbing boundary conditions in bounded domains. *SIAM Journal on Mathematical Analysis*, 50(2):2194–2232, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Han-Kwan:2010:CTP

[HK10] Daniel Han-Kwan. On the confinement of a Tokamak plasma. *SIAM Journal on Mathematical Analysis*, 42(6): 2337–2367, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Heinemann:2015:EWS

[HK15] Christian Heinemann and Christiane Kraus. Existence of weak solutions for a hyperbolic-parabolic phase field system with mixed boundary conditions on non-smooth domains. *SIAM Journal on Mathematical Analysis*, 47(3):2044–2073, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Holden:2013:OSW

[HKK13] Helge Holden, Kenneth H. Karlsen, and Trygve K. Karper. Operator splitting for well-posed active scalar equations. *SIAM Journal on Mathematical Analysis*, 45(1): 152–180, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ha:2015:EDH

[HKK15] Seung-Yeal Ha, Moon-Jin Kang, and Bongsuk Kwon. Emergent dynamics for the hydrodynamic Cucker–Smale system in a moving domain. *SIAM Journal on Mathematical Analysis*, 47(5):3813–3831, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hoffmann:2017:EUG

[HKK17] Joachim Hoffmann, Serge Kräutle, and Peter Knabner. Existence and uniqueness of a global solution for reactive transport with mineral precipitation–dissolution and aquatic reactions in porous media. *SIAM Journal on Mathematical Analysis*, 49(6): 4812–4837, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Han-Kwan:2016:NIV

[HKN16] Daniel Han-Kwan and Toan T. Nguyen. Nonlinear instability of Vlasov–Maxwell systems in the classical and quasineutral limits. *SIAM Journal on Mathematical Analysis*, 48(5): 3444–3466, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hitrik:2010:TEO

[HKOP10] Michael Hitrik, Katsiaryna Krupchyk, Petri Ola, and Lassi Päivärinta. Transmission eigenvalues for operators with constant coefficients. *SIAM Journal on Mathematical Analysis*, 42(6): 2965–2986, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2965_s1`.

Hitrik:2011:TEE

[HKOP11] Michael Hitrik, Katsiaryna Krupchyk, Petri Ola, and Lassi Päivärinta. Transmission eigenvalues for elliptic operators. *SIAM Journal on Mathematical Analysis*, 43(6): 2630–2639, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2630_s1`.

Ha:2018:EBT

[HKR18] Seung-Yeal Ha, Jeongho Kim, and Tommaso Ruggeri. Emergent behaviors of thermodynamic Cucker–Smale particles. *SIAM Journal on Mathematical Analysis*, 50(3):3092–3121, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Holmes:2018:NDI

[HKT18] John Holmes, Barbara Keyfitz, and Feride Tiglay. Nonuniform dependence on initial data for compressible gas dynamics: The Cauchy problem on $\mathbf{R}^2$. *SIAM Journal on Mathematical Analysis*, 50(1):1237–1254, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Haddar:2011:EWS

[HL11] Houssem Haddar and Armin Lechleiter. Electromagnetic wave scattering from rough penetrable layers. *SIAM Journal on Mathematical Analysis*, 43(5):2418–2443, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2418_s1.

Hao:2012:WPM

[HL12] Chengchun Hao and Hai-Liang Li. Well-posedness for a multidimensional viscous liquid-gas two-phase flow model. *SIAM Journal on Mathematical Analysis*, 44(3):1304–1332, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hsieh:2015:EDE

[HL15] Chia-Yu Hsieh and Tai-Chia Lin. Exponential decay estimates for the stability of boundary layer solutions to Poisson–Nernst–Planck systems: One spatial dimension case. *SIAM Journal on Mathematical Analysis*, 47(5):3442–3465, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Harrach:2019:MBI

[HL19a] Bastian Harrach and Yi-Hsuan Lin. Monotonicity-based inversion of the fractional Schrödinger equation I. Positive potentials. *SIAM Journal on Mathematical Analysis*, 51(4):3092–3111, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hynd:2019:LRH

[HL19b] Ryan Hynd and Erik Lindgren. Lipschitz regularity for a homogeneous doubly nonlinear PDE. *SIAM Journal on Mathematical Analysis*, 51(4):3606–3624, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hsu:2014:NPC

[HLGMMM14] S. B. Hsu, J. López-Gómez, L. Mei, and M. Molina-Meyer. A nonlocal problem from conservation biology. *SIAM Journal on Mathematical Analysis*, 46(6):4035–4059, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hickman:2019:HDV

[HLR+19] Jonathan Hickman, Felipe Linares, Oscar G. Riaño, Keith M. Rogers, and James Wright. On a higher dimensional version of the Benjamin–Ono equation. *SIAM Journal on Mathematical Analysis*, 51(6):4544–4569, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Huang:2012:ZDL

[HLW12] Feimin Huang, Mingjie Li, and Yi Wang. Zero dissipation limit to rarefaction wave with vacuum for one-dimensional compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 44(3): 1742–1759, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hou:2018:SBL

[HLWW18] Qianqian Hou, Cheng-Jie Liu, Ya-Guang Wang, and Zhian Wang. Stability of boundary layers for a viscous hyperbolic system arising from chemotaxis: One-dimensional case. *SIAM Journal on Mathematical Analysis*, 50(3): 3058–3091, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Huang:2011:STC

[HLX11] Xiangdi Huang, Jing Li, and Zhouping Xin. Serrin-type criterion for the three-dimensional viscous compressible flows. *SIAM Journal on Mathematical Analysis*, 43(4): 1872–1886, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1872_s1`.

Haines:2012:PEE

[HM12a] Brian M. Haines and Anna L. Mazzucato. A proof of Einstein's effective viscosity for a dilute suspension of spheres. *SIAM Journal on Mathematical Analysis*, 44(3): 2120–2145, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Henao:2012:SUG

[HM12b] Duvan Henao and Apala Majumdar. Symmetry of uniaxial global Landau–de Gennes minimizers in the theory of nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 44(5):3217–3241, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See corrigendum [HM13].

Henao:2013:CSU

[HM13] Duvan Henao and Apala Majumdar. Corrigendum: Symmetry of Uniaxial Global Landau–de Gennes Minimizers in the Theory of Nematic Liquid Crystals. *SIAM Journal on Mathematical Analysis*, 45(6):3872–3874, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [HM12b].

Hoell:2014:CDI

[HMN14] Nicholas Hoell, Amir Moradifam, and Adrian Nachman.

Current density impedance imaging of an anisotropic conductivity in a known conformal class. *SIAM Journal on Mathematical Analysis*, 46(3): 1820–1842, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Han:2014:CVH

[HMS14] Weimin Han, Stanisław Migórski, and Mircea Sofonea. A class of variational-hemivariational inequalities with applications to frictional contact problems. *SIAM Journal on Mathematical Analysis*, 46(6): 3891–3912, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Herrmann:2013:SPT

[HMSZ13] Michael Herrmann, Karsten Matthies, Hartmut Schwetlick, and Johannes Zimmer. Subsonic phase transition waves in bistable lattice models with small spinodal region. *SIAM Journal on Mathematical Analysis*, 45(5):2625–2645, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Huang:2011:LTB

[HMW11] Feimin Huang, Ming Mei, and Yong Wang. Large time behavior of solutions to n-dimensional bipolar hydrodynamic models for semiconductors. *SIAM Journal on Mathematical Analysis*, 43(4): 1595–1630, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1595_s1.

Huang:2011:ACS

[HMWY11] Feimin Huang, Ming Mei, Yong Wang, and Huimin Yu. Asymptotic convergence to stationary waves for unipolar hydrodynamic model of semiconductors. *SIAM Journal on Mathematical Analysis*, 43(1): 411–429, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p411_s1.

Huang:2012:LTB

[HMWY12] Feimin Huang, Ming Mei, Yong Wang, and Tong Yang. Long-time behavior of solutions to the bipolar hydrodynamic model of semiconductors with boundary effect. *SIAM Journal on Mathematical Analysis*, 44(2):1134–1164, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Han:2015:CST

[HMZ15] Bin Han, Qun Mo, and Zhenpeng Zhao. Compactly supported tensor product complex tight framelets with directionality. *SIAM Journal on Mathematical Analysis*, 47(3): 2464–2494, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hulshof:2013:ESD

[HNP13] J. Hulshof, R. Nolet, and G. Prokert. Existence of solutions to the diffusive VSC model. *SIAM Journal on Mathematical Analysis*, 45(2): 700–727, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hoang:2015:GEG

[HNP15] Luan T. Hoang, Truyen V. Nguyen, and Tuoc V. Phan. Gradient estimates and global existence of smooth solutions to a cross-diffusion system. *SIAM Journal on Mathematical Analysis*, 47(3):2122–2177, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hadzic:2017:LWP

[HNS17] Mahir Hadzić, Gustavo Navarro, and Steve Shkoller. Local well-posedness and global stability of the two-phase Stefan problem. *SIAM Journal on Mathematical Analysis*, 49(6): 4942–5006, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hangelbroek:2011:KAM

[HNSW11] T. Hangelbroek, F. J. Narcowich, X. Sun, and J. D. Ward. Kernel approximation on manifolds II: The L_∞ norm of the L_2 projector. *SIAM Journal on Mathematical Analysis*, 43(2): 662–684, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p662_s1`.

Hangelbroek:2010:KAM

[HNW10] T. Hangelbroek, F. J. Narcowich, and J. D. Ward. Kernel approximation on manifolds I: Bounding the Lebesgue constant. *SIAM Journal on Mathematical Analysis*, 42(4):1732–1760, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hudson:2015:ASS

[HO15] T. Hudson and C. Ortner. Analysis of stable screw dislocation configurations in an antiplane lattice model. *SIAM Journal on Mathematical Analysis*, 47(1): 291–320, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hoff:2012:LSC

[Hof12] David Hoff. Local solutions of a compressible flow problem with Navier boundary conditions in general three-dimensional domains. *SIAM Journal on Mathematical Analysis*, 44(2):633–650, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p633_s1`.

Hofer:2018:ILP

[Höf18] Richard M. Höfer. The inertialess limit of particle sedimentation modeled by the Vlasov–Stokes equations. *SIAM Journal on Mathematical Analysis*, 50(5):5446–5476, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hyvonen:2012:PMN

[HPS12] Nuutti Hyvönen, Petteri Piiroinen, and Otto Seiskari. Point measurements for a Neumann-to–Dirichlet map and the Calderón problem in the plane. *SIAM Journal on Mathematical Analysis*, 44(5):3526–3536, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Harrach:2019:DBM

[HPS19] Bastian Harrach, Valter Pohjola, and Mikko Salo. Dimension bounds in monotonicity methods for the Helmholtz equation. *SIAM Journal on Mathematical Analysis*, 51(4):2995–3019, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Herrmann:2010:HTW

[HR10] Michael Herrmann and Jens D. M. Rademacher. Heteroclinic travelling waves in convex FPU-type chains. *SIAM Journal on Mathematical Analysis*, 42(4):1483–1504, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hur:2012:HPV

[HR12] Youngmi Hur and Amos Ron. High-performance very local Riesz wavelet bases of $L_2(\mathbf{R}^n)$. *SIAM Journal on Mathematical Analysis*, 44(4):2237–2265, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hamel:2015:AST

[HR15] François Hamel and Luca Rossi. Admissible speeds of transition fronts for nonautonomous monostable equations. *SIAM Journal on Mathematical Analysis*, 47(5):3342–3392, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Holden:2019:MDM

[HR19] Helge Holden and Nils Henrik Risebro. Models for dense multilane vehicular traffic. *SIAM Journal on Mathematical Analysis*, 51(5):3694–3713, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hamel:2010:SSS

[HS10a] François Hamel and Yannick Sire. Spreading speeds for some reaction–diffusion equations with general initial conditions. *SIAM Journal on Mathematical Analysis*, 42(6): 2872–2911, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2872_s1`.

Harrach:2010:ESR

[HS10b] Bastian Harrach and Jin Keun Seo. Exact shape-reconstruction by one-step linearization in electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 42(4): 1505–1518, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Harrell:2010:UBS

[HS10c] Evans M. Harrell II and Joachim Stubbe. Universal bounds and semiclassical estimates for eigenvalues of abstract Schrödinger operators. *SIAM Journal on Mathematical Analysis*, 42(5): 2261–2274, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hoang:2013:STG

[HS13] Viet Ha Hoang and Christoph Schwab. Sparse tensor Galerkin discretization of parametric and random parabolic PDEs — analytic regularity and generalized polynomial chaos approximation. *SIAM Journal on Mathematical Analysis*, 45(5):3050–3083, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Holzer:2014:AFT

[HS14] Matt Holzer and Arnd Scheel. Accelerated fronts in a two-stage invasion process. *SIAM Journal on Mathematical Analysis*, 46(1):397–427, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Heinemann:2016:SOC

[HS16] Christian Heinemann and Kevin Sturm. Shape optimization for a class of semilinear variational inequalities with applications to damage models. *SIAM Journal on Mathematical Analysis*, 48(5): 3579–3617, ???? 2016. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Holland:2018:PVE

[HS18] Eleanor Holland and R. E. Showalter. Poro-visco-elastic compaction in sedimentary basins. *SIAM Journal on Mathematical Analysis*, 50(2): 2295–2316, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hening:2019:PPS

[HS19] Alexandru Hening and Edouard Strickler. On a predator-prey system with random switching that never converges to its equilibrium. *SIAM Journal on Mathematical Analysis*, 51(5): 3625–3640, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hakkaev:2017:PTW

[HSS17] Sevdzhan Hakkaev, Milena Stanislavova, and Atanas Stefanov. Periodic traveling waves of the regularized short pulse and Ostrovsky equations: Existence and stability. *SIAM Journal on Mathematical Analysis*, 49(1):674–698, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hu:2016:SII

[HSV16] Guanghui Hu, Mikko Salo, and Esa V. Vesalainen. Shape identification in inverse medium scattering problems with a single far-field pattern. *SIAM Journal on Mathematical Analysis*, 48(1): 152–165, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hardin:2017:GPC

[HSV17] D. P. Hardin, E. B. Saff, and O. V. Vlasiuk. Generating point configurations via hypersingular Riesz energy with an external field. *SIAM Journal on Mathematical Analysis*, 49(1):646–673, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Huang:2017:SSG

[HT17] Feimin Huang and Wenke Tan. On the strong solution of the ghost effect system. *SIAM Journal on Mathematical Analysis*, 49(5):3496–3526, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hur:2018:WBS

[HT18] Vera Mikyoung Hur and Lizheng Tao. Wave breaking in a shallow water model. *SIAM Journal on Mathematical Analysis*, 50(1):354–380, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Howell:2018:CEB

[HTW18] Jason S. Howell, Daniel Toundykov, and Justin T. Webster. A cantilevered extensible beam in axial flow: Semigroup well-posedness and postflutter regimes. *SIAM Journal on Mathematical Analysis*, 50(2):2048–2085, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hong:2015:UUC

[HTX15] Younghun Hong, Kenneth Taliaferro, and Zhihui Xie. Unconditional uniqueness of the cubic Gross–Pitaevskii hierarchy with low regularity. *SIAM Journal on Mathematical Analysis*, 47(5):3314–3341, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Harrach:2013:MBS

[HU13] Bastian Harrach and Marcel Ullrich. Monotonicity-based shape reconstruction in electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 45(6):3382–3403, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hupkes:2013:NDT

[HV13] H. J. Hupkes and E. S. Van Vleck. Negative diffusion and traveling waves in high dimensional lattice systems. *SIAM Journal on Mathematical Analysis*, 45(3):1068–1135, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hoefer:2011:DMH

[HW11] M. A. Hoefer and M. I. Weinstein. Defect modes and homogenization of periodic Schrödinger operators. *SIAM Journal on Mathematical Analysis*, 43(2):971–996, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p971_s1`.

Hu:2013:GEO

[HW13a] Xianpeng Hu and Guochun Wu. Global existence and optimal decay rates for three-dimensional compressible viscoelastic flows. *SIAM Journal on Mathematical Analysis*, 45(5):2815–2833, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hu:2013:GST

[HW13b] Xianpeng Hu and Hao Wu. Global solution to the three-dimensional compressible flow of liquid crystals. *SIAM Journal on Mathematical Analysis*, 45(5):2678–2699, ???? 2013. CODEN SJMAAH. ISSN

0036-1410 (print), 1095-7154 (electronic).

Huang:2014:GSS

[HW14] Xiangdi Huang and Yun Wang. Global strong solution with vacuum to the two dimensional density-dependent Navier–Stokes system. *SIAM Journal on Mathematical Analysis*, 46(3):1771–1788, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hong:2017:SSS

[HW17] Hakho Hong and Teng Wang. Stability of stationary solutions to the inflow problem for full compressible Navier–Stokes equations with a large initial perturbation. *SIAM Journal on Mathematical Analysis*, 49(3):2138–2166, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Huang:2013:LBE

[HWWY13] Feimin Huang, Yi Wang, Yong Wang, and Tong Yang. The limit of the Boltzmann equation to the Euler equations for Riemann problems. *SIAM Journal on Mathematical Analysis*, 45(3):1741–1811, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hu:2012:EPG

[HWZ12] Qingwen Hu, Jianhong Wu, and Xingfu Zou. Estimates of periods and global continua of periodic solutions for state-dependent delay equations. *SIAM Journal on Mathematical Analysis*, 44(4):2401–2427, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

He:2010:GWP

[HX10] Lingbing He and Li Xu. Global well-posedness for viscoelastic fluid system in bounded domains. *SIAM Journal on Mathematical Analysis*, 42(6):2610–2625, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ha:2014:USP

[HX14] Seung-Yeal Ha and Qinghua Xiao. Uniform stability and the propagation of regularity for the relativistic Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 46(1):165–191, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hong:2013:RSF

[HY13] Jiaxing Hong and Ge Yang. On the regularity of solutions to FENE models. *SIAM Journal on Mathematical Analysis*,

45(4):2228–2252, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

He:2014:WPA

[HY14] Lingbing He and Xiongfeng Yang. Well-posedness and asymptotics of grazing collisions limit of Boltzmann equation with Coulomb interaction. *SIAM Journal on Mathematical Analysis*, 46(6): 4104–4165, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hong:2019:SCD

[HY19] Younghun Hong and Changhun Yang. Strong convergence for discrete nonlinear Schrödinger equations in the continuum limit. *SIAM Journal on Mathematical Analysis*, 51(2): 1297–1320, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hynd:2013:PRW

[Hyn13] Ryan Hynd. Partial regularity of weak solutions of the viscoelastic Navier–Stokes equations with damping. *SIAM Journal on Mathematical Analysis*, 45(2):495–517, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hynd:2019:LCS

[Hyn19] Ryan Hynd. Lagrangian coordinates for the sticky particle system. *SIAM Journal on Mathematical Analysis*, 51(5): 3769–3795, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Han:2010:MES

[HZ10] Bin Han and Xiaosheng Zhuang. Matrix extension with symmetry and its application to symmetric orthonormal multiwavelets. *SIAM Journal on Mathematical Analysis*, 42(5):2297–2317, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hu:2019:GCS

[HZ19] Dian Hu and Yongqian Zhang. Global conic shock wave for the steady supersonic flow past a curved cone. *SIAM Journal on Mathematical Analysis*, 51(3):2372–2389, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hou:2013:AGS

[HZFQ13] Yu Hou, Peng Zhao, Engui Fan, and Zhijun Qiao. Algebro-geometric solutions for the Degasperis–Procesi hierarchy. *SIAM Journal on Mathematical Analysis*, 45(3):

1216–1266, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Igbida:2012:PIE

[Igb12] Noureddine Igbida. A partial integrodifferential equation in granular matter and its connection with a stochastic model. *SIAM Journal on Mathematical Analysis*, 44(3): 1950–1975, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Igbida:2017:MCS

[Igb17] Noureddine Igbida. Metric character for the sub-Hamilton–Jacobi obstacle equation. *SIAM Journal on Mathematical Analysis*, 49(4): 3143–3160, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ignat:2010:SES

[Ign10] Liviu I. Ignat. Strichartz estimates for the Schrödinger equation on a tree and applications. *SIAM Journal on Mathematical Analysis*, 42(5): 2041–2057, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ignat:2015:CTA

[IISD15] Liviu I. Ignat, Tatiana I. Ignat, and Denisa Stancu-Dumitru. A compactness tool for the analysis of nonlocal evolution equations. *SIAM Journal on Mathematical Analysis*, 47(2):1330–1354, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ibrahim:2011:GSS

[IK11] Slim Ibrahim and Sahbi Keraani. Global small solutions for the Navier–Stokes–Maxwell system. *SIAM Journal on Mathematical Analysis*, 43(5):2275–2295, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2275_s1`.

Ishige:2017:AES

[IKM17] Kazuhiro Ishige, Tatsuki Kawakami, and Hironori Michihisa. Asymptotic expansions of solutions of fractional diffusion equations. *SIAM Journal on Mathematical Analysis*, 49(3):2167–2190, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ioannidis:2012:WPM

[IKS12] Andreas D. Ioannidis, Gerhard Kristensson, and Ioannis G. Stratis. On the well-posedness of the Maxwell system for linear bianisotropic media. *SIAM Journal on*

Mathematical Analysis, 44(4): 2459–2473, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ilmavirta:2016:CQT

[Ilm16] Joonas Ilmavirta. Coherent quantum tomography. *SIAM Journal on Mathematical Analysis*, 48(5):3039–3064, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Iida:2011:SFC

[ILN11] Masato Iida, Roger Lui, and Hirokazu Ninomiya. Stacked fronts for cooperative systems with equal diffusion coefficients. *SIAM Journal on Mathematical Analysis*, 43(3): 1369–1389, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1369_s1`.

Isaza:2016:PRS

[ILP16] Pedro Isaza, Felipe Linares, and Gustavo Ponce. On the propagation of regularity of solutions of the Kadomtsev–Petviashvili equation. *SIAM Journal on Mathematical Analysis*, 48(2):1006–1024, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ianni:2017:CPB

[ILR17] Isabella Ianni, Stefan Le Coz, and Julien Royer. On the Cauchy problem and the black solitons of a singularly perturbed Gross–Pitaevskii equation. *SIAM Journal on Mathematical Analysis*, 49(2): 1060–1099, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Isakov:2016:ISC

[ILW16] Victor Isakov, Ru-Yu Lai, and Jenn-Nan Wang. Increasing stability for the conductivity and attenuation coefficients. *SIAM Journal on Mathematical Analysis*, 48(1): 569–594, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ibrahim:2010:RCP

[IM10] H. Ibrahim and R. Monneau. On the rate of convergence in periodic homogenization of scalar first-order ordinary differential equations. *SIAM Journal on Mathematical Analysis*, 42(5):2155–2176, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Iglesias:2018:LTE

[IM18] Susely Figueroa Iglesias and Sepideh Mirrahimi. Long time evolutionary dynamics of phenotypically structured populations in time-periodic environments. *SIAM Journal on Mathematical Analysis*, 50(5): 5537–5568, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Isaev:2013:NGS

[IN13] M. I. Isaev and R. G. Novikov. New global stability estimates for monochromatic inverse acoustic scattering. *SIAM Journal on Mathematical Analysis*, 45(3): 1495–1504, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Iyer:2010:ETD

[INRZ10] Gautam Iyer, Alexei Novikov, Lenya Ryzhik, and Andrej Zlatoš. Exit times of diffusions with incompressible drift. *SIAM Journal on Mathematical Analysis*, 42(6): 2484–2498, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ignat:2014:URO

[INSZ14] Radu Ignat, Luc Nguyen, Valeriy Slastikov, and Arghir Zarnescu. Uniqueness results for an ODE related to a generalized Ginzburg–Landau model for liquid crystals. *SIAM Journal on Mathematical Analysis*, 46(5):3390–3425, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Iwaniec:2016:SDW

[IO16] Tadeusz Iwaniec and Jani Onninen. Smoothing defected welds and hairline cracks. *SIAM Journal on Mathematical Analysis*, 48(1): 281–301, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ichihara:2013:LTB

[IS13] Naoyuki Ichihara and Shuenn-Jyi Sheu. Large time behavior of solutions of Hamilton–Jacobi–Bellman equations with quadratic nonlinearity in gradients. *SIAM Journal on Mathematical Analysis*, 45(1): 279–306, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Inglis:2015:MFL

[IT15] J. Inglis and D. Talay. Mean-field limit of a stochastic particle system smoothly interacting through threshold hitting-times and applications to neural networks with dendritic component. *SIAM Journal on Mathematical Analysis*, 47(5):3884–3916, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ito:2018:AMT

[Ito18] Ryo Ito. Analysis of the minimal traveling wave speed via the methods of Young measures. *SIAM Journal on Mathematical Analysis*, 50(4): 3478–3534, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Imanuvilov:2012:IBV

[IY12] O. Yu. Imanuvilov and M. Yamamoto. Inverse boundary value problem for Schrödinger equation in two dimensions. *SIAM Journal on Mathematical Analysis*, 44(3):1333–1339, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Iyer:2019:SPL

[Iye19] Sameer Iyer. Steady Prandtl layers over a moving boundary: Nonshear Euler flows. *SIAM Journal on Mathematical Analysis*, 51(3):1657–1695, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiaqi:2018:SNN

[JH18] Yang Jiaqi and Yin Huicheng. On the steady non-Newtonian fluids in domains with noncompact boundaries. *SIAM Journal on Mathematical Analysis*, 50(1):283–338, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jerez-Hanckes:2012:EVF

[JHN12] Carlos Jerez-Hanckes and Jean-Claude Nédélec. Explicit variational forms for the inverses of integral logarithmic operators over an interval. *SIAM Journal on Mathematical Analysis*, 44(4): 2666–2694, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2012:SPG

[Jia12] Jin-Cheng Jiang. Smoothing property of the gain term of the Boltzmann collision operator. *SIAM Journal on Mathematical Analysis*, 44(3): 1522–1543, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2019:ESE

[Jia19] Jie Jiang. Eventual smoothness and exponential stabilization of global weak solutions to some chemotaxis systems. *SIAM Journal on Mathematical Analysis*, 51(6): 4604–4644, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2018:SEM

[JJ18] Fei Jiang and Song Jiang. On the stabilizing effect of the magnetic fields in the magnetic Rayleigh–Taylor problem. *SIAM Journal on Mathematical Analysis*, 50(1):491–540, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2010:ILC

[JJL10] Song Jiang, Qiangchang Ju, and Fucai Li. Incompressible limit of the compressible magnetohydrodynamic equations with vanishing viscosity coefficients. *SIAM Journal on Mathematical Analysis*, 42(6): 2539–2553, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2016:ILN

[JJL16] Song Jiang, Qiangchang Ju, and Fucai Li. Incompressible limit of the nonisentropic ideal magnetohydrodynamic equations. *SIAM Journal on Mathematical Analysis*, 48(1): 302–319, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jessle:2013:NSF

[JJN13] Didier Jesslé, Bum Ja Jin, and Antonín Novotný. Navier–Stokes–Fourier system on unbounded domains: Weak solutions, relative entropies, weak-strong uniqueness. *SIAM Journal on Mathematical Analysis*, 45(3):1907–1951, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jenssen:2010:ODC

[JK10] Helge Kristian Jenssen and Trygve Klovning Karper. One-dimensional compressible flow with temperature dependent transport coefficients. *SIAM Journal on Mathematical Analysis*, 42(2): 904–930, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2019:WPE

[JL19] Ning Jiang and Yi-Long Luo. On well-posedness of Ericksen–Leslie's hyperbolic incompressible liquid crystal model. *SIAM Journal on Mathematical Analysis*, 51(1): 403–434, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ju:2013:ALF

[JLL13] Qiangchang Ju, Fucai Li, and Yong Li. Asymptotic limits of the full compressible magnetohydrodynamic equations. *SIAM Journal on Mathematical Analysis*, 45(5): 2597–2624, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2015:NLC

[JLX15] Song Jiang, Fucai Li, and Feng Xie. Nonrelativistic limit of the compressible Navier–Stokes–Fourier–P1 approximation model arising in radiation hydrodynamics. *SIAM Journal on Mathematical Analysis*, 47(5):3726–3746, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2018:GCS

[JLZ18] Ning Jiang, Yanan Liu, and Teng-Fei Zhang. Global classical solutions to a compressible model for micro-macro polymeric fluids near equilibrium. *SIAM Journal on Mathematical Analysis*, 50(4): 4149–4179, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jang:2012:DOL

[JM12] Juhi Jang and Nader Masmoudi. Derivation of Ohm's Law from the kinetic equations. *SIAM Journal on Mathematical Analysis*, 44(5): 3649–3669, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jager:2011:HLM

[JMNR11] Willi Jäger, Andro Mikelić, and Maria Neuss-Radu. Homogenization limit of a model system for interaction of flow, chemical reactions, and mechanics in cell tissues. *SIAM Journal on Mathematical Analysis*, 43(3):1390–1435, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1390_s1`.

Jiu:2014:TDI

[JMWZ14] Quansen Jiu, Changxing Miao, Jiahong Wu, and Zhifei Zhang. The two-dimensional incompressible Boussinesq equations with general critical dissipation. *SIAM Journal on Mathematical Analysis*, 46(5): 3426–3454, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jungel:2018:EAS

[JMZ18] Ansgar Jüngel, Jirí Mikyska, and Nicola Zamponi. Existence analysis of a single-phase flow mixture with van der Waals pressure. *SIAM Journal on Mathematical Analysis*, 50(1):1367–1395, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Johnson:2013:SSP

[Joh13] Mathew A. Johnson. Stability of small periodic waves in fractional KdV-type equations. *SIAM Journal on*

Mathematical Analysis, 45(5): 3168–3193, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jurak:2019:TPT

[JRK19] Mladen Jurak, Ivana Radisić, and Ana Zgaljić Keko. Two-phase two-component flow in porous media in low solubility regime. *SIAM Journal on Mathematical Analysis*, 51(3): 2019–2052, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jia:2013:MID

[JS13a] Hao Jia and Vladimír Sverák. Minimal L^3-initial data for potential Navier–Stokes singularities. *SIAM Journal on Mathematical Analysis*, 45(3): 1448–1459, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jungel:2013:EAM

[JS13b] Ansgar Jüngel and Ines Viktoria Stelzer. Existence analysis of Maxwell–Stefan systems for multicomponent mixtures. *SIAM Journal on Mathematical Analysis*, 45(4): 2421–2440, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jesenko:2014:CCR

[JS14] Martin Jesenko and Bernd Schmidt. Closure and commutability results for Γ-limits and the geometric linearization and homogenization of multiwell energy functionals. *SIAM Journal on Mathematical Analysis*, 46(4):2525–2553, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jung:2013:SPB

[JT13] Chang-Yeol Jung and Roger Temam. Singular perturbations and boundary layer theory for convection-diffusion equations in a circle: The generic noncompatible case. *SIAM Journal on Mathematical Analysis*, 44(6):4274–4296, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jang:2016:CVS

[JTW16] Juhi Jang, Ian Tice, and Yanjin Wang. The compressible viscous surface-internal wave problem: Local well-posedness. *SIAM Journal on Mathematical Analysis*, 48(4): 2602–2673, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jungel:2010:GWS

[Jün10] Ansgar Jüngel. Global weak solutions to compressible

Navier–Stokes equations for quantum fluids. *SIAM Journal on Mathematical Analysis*, 42(3):1025–1045, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Junca:2014:HFW

[Jun14] Stéphane Junca. High frequency waves and the maximal smoothing effect for nonlinear scalar conservation laws. *SIAM Journal on Mathematical Analysis*, 46(3): 2160–2184, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiu:2013:VBA

[JWX13] Quansen Jiu, Yi Wang, and Zhouping Xin. Vacuum behaviors around rarefaction waves to 1D compressible Navier–Stokes equations with density-dependent viscosity. *SIAM Journal on Mathematical Analysis*, 45(5):3194–3228, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2015:DLB

[JX15] Ning Jiang and Linjie Xiong. Diffusive limit of the Boltzmann equation with fluid initial layer in the periodic domain. *SIAM Journal on Mathematical Analysis*, 47(3): 1747–1777, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2016:HLK

[JXZ16] Ning Jiang, Linjie Xiong, and Teng-Fei Zhang. Hydrodynamic limits of the kinetic self-organized models. *SIAM Journal on Mathematical Analysis*, 48(5):3383–3411, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Johnson:2010:TIP

[JZ10] Mathew A. Johnson and Kevin Zumbrun. Transverse instability of periodic traveling waves in the generalized Kadomtsev–Petviashvili equation. *SIAM Journal on Mathematical Analysis*, 42(6): 2681–2702, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jin:2018:HUR

[JZ18] Shi Jin and Yuhua Zhu. Hypocoercivity and uniform regularity for the Vlasov–Poisson–Fokker–Planck system with uncertainty and multiple scales. *SIAM Journal on Mathematical Analysis*, 50(2):1790–1816, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2019:BEI

[JZ19] Ning Jiang and Xu Zhang. The Boltzmann equation with incoming boundary condition: Global solutions and Navier–Stokes limit. *SIAM Journal on Mathematical Analysis*, 51(3):2504–2534, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Johnson:2011:NSV

[JZN11] Mathew A. Johnson, Kevin Zumbrun, and Pascal Noble. Nonlinear stability of viscous roll waves. *SIAM Journal on Mathematical Analysis*, 43(2): 577–611, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p577_s1.

Kachmar:2014:GLO

[Kac14] Ayman Kachmar. The Ginzburg–Landau order parameter near the second critical field. *SIAM Journal on Mathematical Analysis*, 46(1): 572–587, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kaiser:2010:GDP

[Kai10] Ralf Kaiser. The geomagnetic direction problem: The two-dimensional and the three-dimensional axisymmetric cases. *SIAM Journal on Mathematical Analysis*, 42(2): 701–728, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kaib:2017:SSA

[Kai17] Gunnar Kaib. Stationary states of an aggregation equation with degenerate diffusion and bounded attractive potential. *SIAM Journal on Mathematical Analysis*, 49(1): 272–296, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kalvin:2012:LAP

[Kal12] Victor Kalvin. Limiting absorption principle and perfectly matched layer method for Dirichlet Laplacians in quasi-cylindrical domains. *SIAM Journal on Mathematical Analysis*, 44(1):355–382, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p355_s1.

Karatson:2012:CMI

[Kar12] János Karátson. Characterizing mesh independent quadratic convergence of Newton's method for a class of elliptic problems. *SIAM Journal on Mathematical Analysis*, 44(3):1279–1303, ???? 2012. CODEN SJMAAH. ISSN

0036-1410 (print), 1095-7154 (electronic).

Karakhanyan:2016:IPR

[Kar16] Aram L. Karakhanyan. An inverse problem for the refractive surfaces with parallel lighting. *SIAM Journal on Mathematical Analysis*, 48(1): 740–784, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Katzourakis:2019:RSI

[Kat19] Nikos Katzourakis. An L^∞ regularization strategy to the inverse source identification problem for elliptic equations. *SIAM Journal on Mathematical Analysis*, 51(2): 1349–1370, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kollar:2019:DCS

[KDT19] Richard Kollár, Bernard Deconinck, and Olga Trichtchenko. Direct characterization of spectral stability of small-amplitude periodic waves in scalar Hamiltonian problems via dispersion relation. *SIAM Journal on Mathematical Analysis*, 51(4):3145–3169, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Khapalov:2013:MSD

[Kha13] Alexander Y. Khapalov. Micromotions of a swimmer in the 3-D incompressible fluid governed by the nonstationary Stokes equation. *SIAM Journal on Mathematical Analysis*, 45(6):3360–3381, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kian:2016:RTD

[Kia16] Yavar Kian. Recovery of time-dependent damping coefficients and potentials appearing in wave equations from partial data. *SIAM Journal on Mathematical Analysis*, 48(6):4021–4046, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kim:2009:LFL

[Kim09] Namkwon Kim. Large friction limit and the inviscid limit of 2D Navier–Stokes equations under Navier friction condition. *SIAM Journal on Mathematical Analysis*, 41(4): 1653–1663, ???? 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See corrigendum [Kim13].

Kim:2013:CLF

[Kim13] Namkwon Kim. Corrigendum: Large Friction Limit and the Inviscid Limit of 2D Navier–Stokes Equations under Navier Friction Condition. *SIAM Journal on Mathematical Analysis*, 45(3): 1992–1994, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [Kim09].

Komech:2010:GAS

[KK10] Alexander Komech and Andrew Komech. Global attraction to solitary waves for a nonlinear Dirac equation with mean field interaction. *SIAM Journal on Mathematical Analysis*, 42(6): 2944–2964, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2944_s1`.

Kim:2015:WSE

[KK15] Hyunseok Kim and Young-Heon Kim. On weak solutions of elliptic equations with singular drifts. *SIAM Journal on Mathematical Analysis*, 47(2): 1271–1290, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kreisbeck:2016:HTF

[KK16] Carolin Kreisbeck and Stefan Krömer. Heterogeneous thin films: Combining homogenization and dimension reduction with directors. *SIAM Journal on Mathematical Analysis*, 48(2): 785–820, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kang:2017:EWS

[KK17a] Kyungkeun Kang and Hwa Kil Kim. Existence of weak solutions in Wasserstein space for a chemotaxis model coupled to fluid equations. *SIAM Journal on Mathematical Analysis*, 49(4):2965–3004, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kwon:2017:IJR

[KK17b] Oh Sung Kwon and Jae Ryong Kweon. Interior jump and regularity of compressible viscous Navier–Stokes flows through a cut. *SIAM Journal on Mathematical Analysis*, 49(3): 1982–2008, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Komech:2018:OSG

[KK18] A. Komech and E. Kopylova. On orbital stability of ground states for finite crystals in fermionic Schrödinger–Poisson model. *SIAM Journal on Mathematical Analysis*, 50(1):64–85, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Klar:2017:TED

[KKT17] Axel Klar, Lisa Kreusser, and Oliver Tse. Trend to equilibrium for a delay Vlasov–Fokker–Planck equation and explicit decay estimates. *SIAM Journal on Mathematical Analysis*, 49(4): 3277–3298, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kirsch:2018:LAP

[KL18a] Andreas Kirsch and Armin Lechleiter. The limiting absorption principle and a radiation condition for the scattering by a periodic layer. *SIAM Journal on Mathematical Analysis*, 50(3):2536–2565, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kuwert:2018:AWM

[KL18b] Ernst Kuwert and Yuxiang Li. Asymptotics of Willmore minimizers with prescribed small isoperimetric ratio. *SIAM Journal on Mathematical Analysis*, 50(4):4407–4425, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kutyniok:2012:OSA

[KLL12] Gitta Kutyniok, Jakob Lemvig, and Wang-Q Lim. Optimally sparse approximations of 3D functions by compactly supported shearlet frames. *SIAM Journal on Mathematical Analysis*, 44(4):2962–3017, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kolehmainen:2010:CIP

[KLO10] Ville Kolehmainen, Matti Lassas, and Petri Ola. Calderón's inverse problem with an imperfectly known boundary and reconstruction up to a conformal deformation. *SIAM Journal on Mathematical Analysis*, 42(3):1371–1381, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Keller:2016:NPS

[KLO16] Johannes Keller, Caroline Lasser, and Tomoki Ohsawa. A new phase space density for quantum expectations. *SIAM Journal on Mathematical Analysis*, 48(1): 513–537, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krupchyk:2011:DEH

[KLS11] Katsiaryna Krupchyk, Matti Lassas, and Samuli Siltanen. Determining electrical and heat transfer parameters using coupled boundary measurements. *SIAM Journal on Mathematical Analysis*, 43(5):

2096–2115, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2096_s1.

Kuan:2015:EMA

[KLS15] Rulin Kuan, Yi-Hsuan Lin, and Mourad Sini. The enclosure method for the anisotropic Maxwell system. *SIAM Journal on Mathematical Analysis*, 47(5):3488–3527, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kavallaris:2017:DNP

[KLW17] Nikos I. Kavallaris, Johannes Lankeit, and Michael Winkler. On a degenerate nonlocal parabolic problem describing infinite dimensional replicator dynamics. *SIAM Journal on Mathematical Analysis*, 49(2):954–983, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kamotski:2013:LWW

[KM13] I. V. Kamotski and V. G. Maz'ya. On the linear water wave problem in the presence of a critically submerged body. *SIAM Journal on Mathematical Analysis*, 44(6):4222–4249, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kappeler:2017:WPD

[KM17] Thomas Kappeler and Jan-Cornelius Molnar. On the well-posedness of the defocusing mKdV equation below L^2. *SIAM Journal on Mathematical Analysis*, 49(3):2191–2219, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krishnan:2018:MAR

[KM18] Venkateswaran P. Krishnan and Rohit Kumar Mishra. Microlocal analysis of a restricted ray transform on symmetric m-tensor fields in $\mathbf{R}^n$. *SIAM Journal on Mathematical Analysis*, 50(6):6230–6254, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kurzke:2011:VML

[KMM11] Matthias Kurzke, Christof Melcher, and Roger Moser. Vortex motion for the Landau–Lifshitz–Gilbert equation with spin-transfer torque. *SIAM Journal on Mathematical Analysis*, 43(3):1099–1121, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1099_s1.

Kroner:2015:TFB

[KMS15] Dietmar Kröner, Thomas Müller, and Lena Maria

Strehlau. Traces for functions of bounded variation on manifolds with applications to conservation laws on manifolds with boundary. *SIAM Journal on Mathematical Analysis*, 47(5):3944–3962, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kurzke:2017:GPV

[KMS17] Matthias Kurzke, Jeremy L. Marzuola, and Daniel Spirn. Gross–Pitaevskii vortex motion with critically scaled inhomogeneities. *SIAM Journal on Mathematical Analysis*, 49 (1):471–500, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Karper:2013:EWS

[KMT13] Trygve K. Karper, Antoine Mellet, and Konstantina Trivisa. Existence of weak solutions to kinetic flocking models. *SIAM Journal on Mathematical Analysis*, 45(1):215–243, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Killip:2018:IVP

[KMV18] Rowan Killip, Jason Murphy, and Monica Visan. The initial-value problem for the cubic-quintic NLS with non-vanishing boundary conditions. *SIAM Journal on Mathematical Analysis*, 50(3): 2681–2739, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kukavica:2014:LWP

[KMVW14] Igor Kukavica, Nader Masmoudi, Vlad Vicol, and Tak Kwong Wong. On the local well-posedness of the Prandtl and hydrostatic Euler equations with multiple monotonicity regions. *SIAM Journal on Mathematical Analysis*, 46(6):3865–3890, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Knupfer:2018:OSI

[KN18] Hans Knüpfer and Florian Nolte. Optimal shape of isolated ferromagnetic domains. *SIAM Journal on Mathematical Analysis*, 50(6):5857–5886, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Korzec:2012:GWS

[KNR12] M. D. Korzec, P. Nayar, and P. Rybka. Global weak solutions to a sixth order Cahn–Hilliard type equation. *SIAM Journal on Mathematical Analysis*, 44(5):3369–3387, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krahmer:2015:CSR

[KNW15] Felix Krahmer, Deanna Needell, and Rachel Ward. Compressive sensing with redundant dictionaries and structured measurements. *SIAM Journal on Mathematical Analysis*, 47(6):4606–4629, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Koch:2016:VOS

[Koc16] Hans Koch. Vertex order in some large constrained random graphs. *SIAM Journal on Mathematical Analysis*, 48(4):2588–2601, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kollar:2011:HMN

[Kol11] Richard Kollár. Homotopy method for nonlinear eigenvalue pencils with applications. *SIAM Journal on Mathematical Analysis*, 43(2): 612–633, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p612_s1`.

Komech:2015:CGS

[Kom15] A. I. Komech. On the crystal ground state in the Schrödinger–Poisson model. *SIAM Journal on Mathematical Analysis*, 47(2):1001–1021, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kotschote:2012:DCN

[Kot12] Matthias Kotschote. Dynamics of compressible non-isothermal fluids of non-Newtonian Korteweg type. *SIAM Journal on Mathematical Analysis*, 44(1):74–101, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p74_s1`.

Kroo:2013:SMP

[KP13] András Kroó and Allan Pinkus. On stability of the metric projection operator. *SIAM Journal on Mathematical Analysis*, 45(2): 639–661, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kim:2018:CBW

[KP18a] Young-Heon Kim and Brendan Pass. A canonical barycenter via Wasserstein regularization. *SIAM Journal on Mathematical Analysis*, 50(2):1817–1828, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kraitzman:2018:PBS

[KP18b] Noa Kraitzman and Keith Promislow. Pearling bifurcations in the strong functionalized Cahn–Hilliard free energy. *SIAM Journal on Mathematical Analysis*, 50(3): 3395–3426, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Khusainov:2015:SME

[KPR15] Denys Khusainov, Michael Pokojovy, and Reinhard Racke. Strong and mild extrapolated L^2-solutions to the heat equation with constant delay. *SIAM Journal on Mathematical Analysis*, 47(1): 427–454, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Keimer:2018:NSC

[KPS18] Alexander Keimer, Lukas Pflug, and Michele Spinola. Nonlocal scalar conservation laws on bounded domains and applications in traffic flow. *SIAM Journal on Mathematical Analysis*, 50(6):6271–6306, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kassmann:2019:HLT

[KPZ19] M. Kassmann, A. Piatnitski, and E. Zhizhina. Homogenization of Lévy-type operators with oscillating coefficients. *SIAM Journal on Mathematical Analysis*, 51(5): 3641–3665, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kloucek:2010:TFB

[KR10] Petr Klouček and Michel V. Romerio. Tracking free boundaries in fluids using a variational principle. *SIAM Journal on Mathematical Analysis*, 42(4):1519–1538, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krejcirik:2019:CMF

[Kre19] David Krejcirík. Complex magnetic fields: an improved Hardy–Laptev–Weidl inequality and quasi-self-adjointness. *SIAM Journal on Mathematical Analysis*, 51(2):790–807, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Koumatos:2015:DIY

[KRW15] Konstantinos Koumatos, Filip Rindler, and Emil Wiedemann. Differential inclusions and Young measures involving prescribed Jacobians. *SIAM Journal on Mathematical Analysis*, 47(2):1169–1195, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krylov:2010:DFS

[Kry10] N. V. Krylov. On divergence form SPDEs with growing coefficients in W_2^1 spaces without weights. *SIAM Journal on Mathematical Analysis*, 42 (2):609–633, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krylov:2013:EET

[Kry13] N. V. Krylov. An ersatz existence theorem for fully nonlinear parabolic equations without convexity assumptions. *SIAM Journal on Mathematical Analysis*, 45(6): 3331–3359, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krylov:2014:HTP

[Kry14] N. V. Krylov. Hörmander's theorem for parabolic equations with coefficients measurable in the time variable. *SIAM Journal on Mathematical Analysis*, 46(1):854–870, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kar:2014:RIE

[KS14] Manas Kar and Mourad Sini. Reconstruction of interfaces from the elastic farfield measurements using CGO solutions. *SIAM Journal on Mathematical Analysis*, 46(4): 2650–2691, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kian:2019:HSD

[KS19] Yavar Kian and Eric Soccorsi. Hölder stably determining the time-dependent electromagnetic potential of the Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 51(2):627–647, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kolb:2013:NED

[KSW13] Martin Kolb, Mladen Savov, and Achim Wübker. (Non-)Ergodicity of a degenerate diffusion modeling the fiber lay down process. *SIAM Journal on Mathematical Analysis*, 45(1):1–13, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kondo:2011:IBV

[KT11] Shintaro Kondo and Atusi Tani. Initial boundary value problem for model equations of resistive drift wave turbulence. *SIAM Journal on Mathematical Analysis*, 43(2): 925–943, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p925_s1`.

Kim:2013:CPF

[KT13] Sungwhan Kim and Alexandru Tamasan. On a Calderón problem in frequency differential electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 45(5): 2700–2709, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kim:2017:DSS

[KT17] Chanwoo Kim and Ian Tice. Dynamics and stability of surface waves with surfactants. *SIAM Journal on Mathematical Analysis*, 49(2): 1295–1332, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kiselev:2018:GRE

[KT18] Alexander Kiselev and Changhui Tan. Global regularity for 1D Eulerian dynamics with singular interaction forces. *SIAM Journal on Mathematical Analysis*, 50(6):6208–6229, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kuto:2015:LSS

[Kut15] Kousuke Kuto. Limiting structure of shrinking solutions to the stationary Shigesada–Kawasaki–Teramoto model with large cross-diffusion. *SIAM Journal on Mathematical Analysis*, 47(5):3993–4024, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kondratyev:2016:BVB

[KUV16] Stanislav Kondratyev, José Miguel Urbano, and Dmitry Vorotnikov. On the bulk velocity of Brownian ratchets. *SIAM Journal on Mathematical Analysis*, 48(2):950–980, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kondratyev:2019:SHK

[KV19] Stanislav Kondratyev and Dmitry Vorotnikov. Spherical Hellinger–Kantorovich gradient flows. *SIAM Journal on Mathematical Analysis*, 51(3): 2053–2084, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kaliuzhnyi-Verbovetskyi:2017:SHE

[KVM17] Dmitry Kaliuzhnyi-Verbovetskyi and Georgi S. Medvedev. The semilinear heat equation on sparse random graphs. *SIAM Journal on Mathematical Analysis*, 49(2):1333–1355, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kaliuzhnyi-Verbovetskyi:2018:MFE

[KVM18] Dmitry Kaliuzhnyi-Verbovetskyi and Georgi S. Medvedev. The mean field equation for the Kuramoto model on graph sequences with non-Lipschitz limit. *SIAM Journal on Mathematical Analysis*, 50(3): 2441–2465, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kimura:2019:PDS

[KvMY19] Masato Kimura, Patrick van Meurs, and Zhenxing Yang. Particle dynamics subject to impenetrable boundaries: Existence and uniqueness of mild solutions. *SIAM Journal on Mathematical Analysis*, 51(6): 5049–5076, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krahmer:2011:NIJ

[KW11] Felix Krahmer and Rachel Ward. New and improved Johnson–Lindenstrauss embeddings via the restricted isometry property. *SIAM Journal on Mathematical Analysis*, 43(3):1269–1281, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1269_s1`.

Kitagawa:2012:ROT

[KW12] Jun Kitagawa and Micah Warren. Regularity for the optimal transportation problem with Euclidean distance squared cost on the embedded sphere. *SIAM Journal on Mathematical Analysis*, 44(4): 2871–2887, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kweon:2012:CSD

[Kwe12] Jae Ryong Kweon. Corner singularity dynamics and regularity of compressible viscous Navier–Stokes flows. *SIAM Journal on Mathematical Analysis*, 44(5):3127–3161, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kim:2012:BEN

[KY12a] Chanwoo Kim and Seok-Bae Yun. The Boltzmann equation near a rotational local Maxwellian. *SIAM Journal on Mathematical Analysis*, 44(4): 2560–2598, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kim:2012:PKS

[KY12b] Inwon Kim and Yao Yao. The Patlak–Keller–Segel model and its variations: Properties of solutions via maximum principle. *SIAM Journal on Mathematical Analysis*, 44(2): 568–602, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.`

siam.org/sima/resource/1/sjmaah/v44/i2/p568_s1.

Kim:2015:CII

[KY15] Seonghak Kim and Baisheng Yan. Convex integration and infinitely many weak solutions to the Perona–Malik equation in all dimensions. *SIAM Journal on Mathematical Analysis*, 47(4):2770–2794, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kawano:2011:UNR

[KZ11] A. Kawano and A. Zine. Uniqueness and nonuniqueness results for a certain class of almost periodic distributions. *SIAM Journal on Mathematical Analysis*, 43(1): 135–152, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p135_s1.

Kim:2018:RPD

[KZ18] Inwon Kim and Yuming Paul Zhang. Regularity properties of degenerate diffusion equations with drifts. *SIAM Journal on Mathematical Analysis*, 50(4):4371–4406, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Loy:2014:IRC

[LA14] R. J. Loy and R. S. Anderssen. Interconversion relationships for completely monotone functions. *SIAM Journal on Mathematical Analysis*, 46(3): 2008–2032, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lacave:2015:UTD

[Lac15] Christophe Lacave. Uniqueness for two-dimensional incompressible ideal flow on singular domains. *SIAM Journal on Mathematical Analysis*, 47(2):1615–1664, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lai:2014:RPS

[Lai14] Geng Lai. On the Riemann problem for a scalar Zeldovich–von Neumann–Döring combustion model. *SIAM Journal on Mathematical Analysis*, 46(4):2404–2443, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lai:2018:ICW

[Lai18] Geng Lai. Interactions of composite waves of the two-dimensional full Euler equations for van der Waals gases. *SIAM Journal on Mathematical Analysis*, 50(4):3535–3597, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lam:2012:LPS

[Lam12] King-Yeung Lam. Limiting profiles of semilinear elliptic equations with large advection in population dynamics II. *SIAM Journal on Mathematical Analysis*, 44(3):1808–1830, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Laurent:2010:GCS

[Lau10] Camille Laurent. Global controllability and stabilization for the nonlinear Schrödinger equation on some compact manifolds of dimension 3. *SIAM Journal on Mathematical Analysis*, 42(2):785–832, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Laurain:2018:ASS

[Lau18] Antoine Laurain. Analyzing smooth and singular domain perturbations in level set methods. *SIAM Journal on Mathematical Analysis*, 50(4): 4327–4370, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

LeBlanc:2013:PGR

[Le 13] Valérie Le Blanc. Persistence of generalized roll-waves under viscous perturbation. *SIAM Journal on Mathematical Analysis*, 45(2): 572–599, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Le:2010:COK

[Le10] Nam Q. Le. On the convergence of the Ohta–Kawasaki equation to motion by nonlocal Mullins–Sekerka law. *SIAM Journal on Mathematical Analysis*, 42(4):1602–1638, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Le:2019:EIS

[Le19] Hung Le. On the existence and instability of solitary water waves with a finite dipole. *SIAM Journal on Mathematical Analysis*, 51(5): 4074–4104, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lee:2010:NCN

[Lee10] Paul W. Y. Lee. New computable necessary conditions for the regularity theory of optimal transportation. *SIAM Journal on Mathematical Analysis*, 42(6): 3054–3075, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3054_s1`.

Lee:2016:DCP

[Lee16] Minjae Lee. Dirac cones for point scatterers on a honeycomb lattice. *SIAM Journal on Mathematical Analysis*, 48(2):1459–1488, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lee:2017:UEV

[Lee17] Donghyun Lee. Uniform estimate of viscous free-boundary magnetohydrodynamics with zero vacuum magnetic field. *SIAM Journal on Mathematical Analysis*, 49(4):2710–2789, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lei:2010:CEC

[Lei10] Guang-Tsai Lei. Characterization of electromagnetic cavity resonators by integral identities. *SIAM Journal on Mathematical Analysis*, 42(2):634–645, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lei:2013:QAS

[Lei13] Yutian Lei. Qualitative analysis for the static Hartree-type equations. *SIAM Journal on Mathematical Analysis*, 45(1):388–406, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Leitmeyer:2016:ECP

[Lei16] Keith Leitmeyer. Enstrophy cascade in physical scales for the three-dimensional Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 48(1):166–173, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lengeler:2014:WSI

[Len14] Daniel Lengeler. Weak solutions for an incompressible, generalized Newtonian fluid interacting with a linearly elastic Koiter type Shell. *SIAM Journal on Mathematical Analysis*, 46(4):2614–2649, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lenells:2016:NSD

[Len16] Jonatan Lenells. The nonlinear steepest descent method: Asymptotics for initial-boundary value problems. *SIAM Journal on Mathematical Analysis*, 48(3):2076–2118, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lequeurre:2011:ESS

[Leq11] Julien Lequeurre. Existence of strong solutions to a fluid-structure system. *SIAM Journal on Mathematical Analysis*, 43(1):389–

410, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p389_s1.

Li:2009:MEF

[Li09] Bo Li. Minimization of electrostatic free energy and the Poisson–Boltzmann equation for molecular solvation with implicit solvent. *SIAM Journal on Mathematical Analysis*, 40(6):2536–2566, ???? 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [Li11].

Li:2011:EME

[Li11] Bo Li. Erratum: "Minimization of Electrostatic Free Energy and the Poisson–Boltzmann Equation for Molecular Solvation with Implicit Solvent". *SIAM Journal on Mathematical Analysis*, 43(6):2776–2777, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2776_s1. See [Li09].

Li:2019:GWP

[Li19] Jinkai Li. Global well-posedness of the one-dimensional compressible Navier–Stokes equations with constant heat conductivity and nonnegative density. *SIAM Journal on Mathematical Analysis*, 51(5):3666–3693, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Littmann:2013:QEB

[Lit13] Friedrich Littmann. Quadrature and extremal bandlimited functions. *SIAM Journal on Mathematical Analysis*, 45(2):732–747, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2018:GIL

[Liu18a] Boya Liu. Global identifiability of low regularity fluid parameters in acoustic tomography of moving fluid. *SIAM Journal on Mathematical Analysis*, 50(6):6348–6364, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2018:MRG

[Liu18b] Xin Liu. A model of radiational gaseous stars. *SIAM Journal on Mathematical Analysis*, 50(6):6100–6155, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2019:MSC

[Liu19] Grace Liu. Modified scattering for the cubic Schrödinger equation small data solution on product space. *SIAM Journal on Mathematical Analysis*, 51(5):4023–4073, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lessard:2017:CAF

[LJ17] Jean-Philippe Lessard and J. D. Mireles James. Computer assisted Fourier analysis in sequence spaces of varying regularity. *SIAM Journal on Mathematical Analysis*, 49 (1):530–561, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2011:RSP

[LL11] Y. Charles Li and Zhiwu Lin. A resolution of the Sommerfeld paradox. *SIAM Journal on Mathematical Analysis*, 43(4):1923–1954, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1923_s1.

Lee:2012:NES

[LL12] Paul W. Y. Lee and Jiayong Li. New examples satisfying Ma–Trudinger–Wang conditions. *SIAM Journal on Mathematical Analysis*, 44 (1):61–73, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p61_s1.

Lakshtanov:2016:DFM

[LL16a] Evgeny Lakshtanov and Armin Lechleiter. Difference factorizations and monotonicity in inverse medium scattering for contrasts with fixed sign on the boundary. *SIAM Journal on Mathematical Analysis*, 48(6):3688–3707, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2016:ALR

[LL16b] Hongjie Li and Hongyu Liu. On anomalous localized resonance for the elastostatic system. *SIAM Journal on Mathematical Analysis*, 48(5):3322–3344, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2018:GDC

[LL18a] Lei Li and Jian-Guo Liu. A generalized definition of Caputo derivatives and its application to fractional ODEs. *SIAM Journal on Mathematical Analysis*, 50(3):2867–2900, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2018:SCC

[LL18b] Lei Li and Jian-Guo Liu. Some compactness criteria for weak solutions of time fractional PDEs. *SIAM Journal on Mathematical Analysis*, 50(4):3963–3995, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2019:IES

[LL19] Jianliang Li and Peijun Li. Inverse elastic scattering for a random source. *SIAM Journal on Mathematical Analysis*, 51(6):4570–4603, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lin:2014:ESN

[LLLM14] Chi-Kun Lin, Chi-Tien Lin, Yanping Lin, and Ming Mei. Exponential stability of nonmonotone traveling waves for Nicholson's blowflies equation. *SIAM Journal on Mathematical Analysis*, 46(2): 1053–1084, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2019:DRS

[LLM19] Jingzhi Li, Hongyu Liu, and Shiqi Ma. Determining a random Schrödinger equation with unknown source and potential. *SIAM Journal on Mathematical Analysis*, 51(4): 3465–3491, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lu:2019:SLS

[LLN19] Jianfeng Lu, Yulong Lu, and James Nolen. Scaling limit of the Stein variational gradient descent: The mean field regime. *SIAM Journal on Mathematical Analysis*, 51(2): 648–671, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Levermore:2016:GDB

[LLP16] C. David Levermore, Hailiang Liu, and Robert L. Pego. Global dynamics of Bose–Einstein condensation for a model of the Kompaneets equation. *SIAM Journal on Mathematical Analysis*, 48(4): 2454–2494, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lin:2015:GFE

[LLW15] Junyu Lin, Baishun Lai, and Changyou Wang. Global finite energy weak solutions to the compressible nematic liquid crystal flow in dimension three. *SIAM Journal on Mathematical Analysis*, 47(4): 2952–2983, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lai:2017:FSS

[LLW17] Baishun Lai, Junyu Lin, and Changyou Wang. Forward self-similar solutions to the viscoelastic Navier–Stokes equation with damping. *SIAM Journal on Mathematical Analysis*, 49(1):501–529, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2018:SSV

[lLWW18] Hai liang Li, Teng Wang, and Yi Wang. Stability of the superposition of a viscous contact wave with two rarefaction waves to the bipolar Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 50(2):1829–1876, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lecureux-Mercier:2011:GSS

[LM11] Magali Lécureux-Mercier. Global smooth solutions of Euler equations for van der Waals gases. *SIAM Journal on Mathematical Analysis*, 43(2):877–903, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p877_s1`.

Lecureux-Mercier:2014:PEA

[LM14] Magali Lécureux-Mercier. A priori estimates and analytical construction of radially symmetric solutions in the gas dynamics. *SIAM Journal on Mathematical Analysis*, 46(4):2853–2883, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Laurencot:2017:SST

[LM17] Philippe Laurençot and Bogdan-Vasile Matioc. Self-similarity in a thin film muskat problem. *SIAM Journal on Mathematical Analysis*, 49(4):2790–2842, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lukacova-Medvidova:2017:GER

[LMMNR17] Mária Lukácová-Medvidová, Hana Mizerová, Sárka Necasová, and Michael Renardy. Global existence result for the generalized Peterlin viscoelastic model. *SIAM Journal on Mathematical Analysis*, 49(4):2950–2964, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lattanzio:2010:SSR

[LMN+10] Corrado Lattanzio, Corrado Mascia, Toan Nguyen, Ramón G. Plaza, and Kevin Zumbrun. Stability of scalar radiative shock profiles. *SIAM Journal on Mathematical Analysis*, 41(6):2165–2206, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lattanzio:2011:MBC

[LMP11] Corrado Lattanzio, Amelio Maurizi, and Benedetto Piccoli. Moving bottlenecks in car traffic flow: a PDE–ODE coupled model. *SIAM Journal on Mathematical Analysis*, 43 (1):50–67, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p50_s1`.

Lemou:2013:SGS

[LMR13] Mohammed Lemou, Florian Méhats, and Cyril Rigault. Stable ground states and self-similar blow-up solutions for the gravitational Vlasov–Manev system. *SIAM Journal on Mathematical Analysis*, 44(6):3928–3968, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lawley:2015:SSI

[LMR15] Sean D. Lawley, Jonathan C. Mattingly, and Michael C. Reed. Stochastic switching in infinite dimensions with applications to random parabolic PDE. *SIAM Journal on Mathematical Analysis*, 47(4): 3035–3063, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liero:2016:OTC

[LMS16] Matthias Liero, Alexander Mielke, and Giuseppe Savaré. Optimal transport in competition with reaction: The Hellinger–Kantorovich distance and geodesic curves. *SIAM Journal on Mathematical Analysis*, 48(4):2869–2911, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Laul:2015:LEE

[LMTT15] Parul Laul, Jason Metcalfe, Shreyas Tikare, and Mihai Tohaneanu. Localized energy estimates for wave equations on $(1 + 4)$-dimensional Myers–Perry space-times. *SIAM Journal on Mathematical Analysis*, 47 (3):1933–1957, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2017:SSC

[LMW17] Fucai Li, Yanmin Mu, and Dehua Wang. Strong solutions to the compressible Navier–Stokes–Vlasov–Fokker–Planck equations: Global existence near the equilibrium and large time behavior. *SIAM Journal on Mathematical Analysis*, 49(2):984–1026, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2017:SHM

[LMZZ17] Jingyu Li, Ming Mei, Guojing Zhang, and Kaijun Zhang.

Steady hydrodynamic model of semiconductors with sonic boundary: (I) subsonic doping profile. *SIAM Journal on Mathematical Analysis*, 49(6): 4767–4811, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2018:SHM

[LMZZ18] Jingyu Li, Ming Mei, Guojing Zhang, and Kaijun Zhang. Steady hydrodynamic model of semiconductors with sonic boundary: (II) supersonic doping profile. *SIAM Journal on Mathematical Analysis*, 50 (1):718–734, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lin:2010:UCP

[LN10] Ching-Lung Lin and Gen Nakamura. Unique continuation property for a coupled second-fourth order dynamical system and its application. *SIAM Journal on Mathematical Analysis*, 42(5): 2318–2336, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lu:2014:ESS

[LNZ14] Nan Lu, Andrea R. Nahmod, and Chongchun Zeng. Equivariante and self-similar standing waves for a Hamiltonian hyperbolic-hyperbolic spin-field system. *SIAM Journal on Mathematical Analysis*, 46(6):3913–3956, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lobus:2018:BSS

[Löb18] Jörg-Uwe Löbus. Boundedness of the stationary solution to the Boltzmann equation with spatial smearing, diffusive boundary conditions, and Lions' collision kernel. *SIAM Journal on Mathematical Analysis*, 50(6):5761–5782, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lopez:2012:BCW

[Lóp12] Rafael López. Bifurcation of cylinders for wetting and dewetting models with striped geometry. *SIAM Journal on Mathematical Analysis*, 44(2): 946–965, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lorenzi:2014:DPP

[LP14] Alfredo Lorenzi and Viatcheslav Priimenko. Direct problems for poroelastic waves with fractional derivatives. *SIAM Journal on Mathematical Analysis*, 46(3):1874–1892, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2016:LWL

[LP16] Huimin Liu and Xueke Pu. Long wavelength limit for the quantum Euler–Poisson equation. *SIAM Journal on Mathematical Analysis*, 48(4): 2345–2381, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Le:2019:CPM

[LP19] Uyen Le and Dmitry E. Pelinovsky. Convergence of Petviashvili's method near periodic waves in the fractional Korteweg–de Vries equation. *SIAM Journal on Mathematical Analysis*, 51(4):2850–2883, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lepoutre:2012:GWP

[LPR12] Thomas Lepoutre, Michel Pierre, and Guillaume Rolland. Global well-posedness of a conservative relaxed cross diffusion system. *SIAM Journal on Mathematical Analysis*, 44(3):1674–1693, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2010:WBO

[LPS10] Yue Liu, Dmitry Pelinovsky, and Anton Sakovich. Wave breaking in the Ostrovsky–Hunter equation. *SIAM Journal on Mathematical Analysis*, 42(5):1967–1985, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Linares:2013:WPS

[LPS13] Felipe Linares, Didier Pilod, and Jean-Claude Saut. Well-posedness of strongly dispersive two-dimensional surface wave Boussinesq systems. *SIAM Journal on Mathematical Analysis*, 44(6): 4195–4221, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Linares:2018:CPF

[LPS18] Felipe Linares, Didier Pilod, and Jean-Claude Saut. The Cauchy problem for the fractional Kadomtsev–Petviashvili equations. *SIAM Journal on Mathematical Analysis*, 50(3):3172–3209, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2011:ODN

[LR11] Dong Li and José L. Rodrigo. On a one-dimensional nonlocal flux with fractional dissipation. *SIAM Journal on Mathematical Analysis*, 43(1): 507–526, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p507_s1`.

Lewin:2013:DPP

[LR13] Mathieu Lewin and Nicolas Rougerie. Derivation of Pekar's polarons from a microscopic model of quantum crystal. *SIAM Journal on Mathematical Analysis*, 45(3): 1267–1301, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lechleiter:2015:IOD

[LR15a] Armin Lechleiter and Marcel Rennoch. Inside-outside duality and the determination of electromagnetic interior transmission eigenvalues. *SIAM Journal on Mathematical Analysis*, 47(1):684–705, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lemarie–Rieusset:2015:SCT

[LR15b] Pierre Gilles Lemarié-Rieusset. On some classes of time-periodic solutions for the Navier–Stokes equations in the whole space. *SIAM Journal on Mathematical Analysis*, 47(2):1022–1043, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lindsey:2017:OTM

[LR17] Michael Lindsey and Yanir A. Rubinstein. Optimal transport via a Monge–Ampère optimization problem. *SIAM Journal on Mathematical Analysis*, 49(4):3073–3124, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2018:QLS

[LRdS18] Wei Liu, Michael Röckner, and José Luís da Silva. Quasi-linear (stochastic) partial differential equations with time-fractional derivatives. *SIAM Journal on Mathematical Analysis*, 50(3):2588–2607, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2010:GEW

[LS10] Buyang Li and Weiwei Sun. Global existence of weak solution for nonisothermal multicomponent flow in porous textile media. *SIAM Journal on Mathematical Analysis*, 42(6): 3076–3102, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3076_s1`.

Li:2012:GWS

[LS12a] Buyang Li and Weiwei Sun. Global weak solution for a heat and sweat transport system in three-dimensional fibrous porous media with Condensation/Evaporation and absorption. *SIAM Journal on Mathematical Analysis*, 44(3):

1448–1473, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2012:CDP

[LS12b] Hailiang Liu and Jaemin Shin. The Cauchy–Dirichlet problem for the finitely extensible nonlinear elastic dumbbell model of polymeric fluids. *SIAM Journal on Mathematical Analysis*, 44(5):3617–3648, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lamacz:2013:EME

[LS13a] Agnes Lamacz and Ben Schweizer. Effective Maxwell equations in a geometry with flat rings of arbitrary shape. *SIAM Journal on Mathematical Analysis*, 45(3):1460–1494, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

LeCrone:2013:WPS

[LS13b] Jeremy LeCrone and Gieri Simonett. On well-posedness, stability, and bifurcation for the axisymmetric surface diffusion flow. *SIAM Journal on Mathematical Analysis*, 45(5): 2834–2869, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lu:2013:PMA

[LS13c] Xin Yang Lu and Dejan Slepcev. Properties of minimizers of average-distance problem via discrete approximation of measures. *SIAM Journal on Mathematical Analysis*, 45(5):3114–3131, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lin:2015:SRT

[LS15] Junshan Lin and Fadil Santosa. Scattering resonances for a two-dimensional potential well with a thick barrier. *SIAM Journal on Mathematical Analysis*, 47(2):1458–1488, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lamacz:2016:NIM

[LS16] A. Lamacz and B. Schweizer. A negative index metamaterial for Maxwell's equations. *SIAM Journal on Mathematical Analysis*, 48(6): 4155–4174, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lopez:2017:STW

[LS17] José Luis López and Juan Soler. A space-time Wigner function approach to long time Schrödinger–Poisson dynamics. *SIAM Journal on

Mathematical Analysis, 49(6): 4915–4941, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Leslie:2018:CIE

[LS18] Trevor M. Leslie and Roman Shvydkoy. Conditions implying energy equality for weak solutions of the Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 50(1): 870–890, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Levermore:2012:LMN

[LST12] C. David Levermore, Weiran Sun, and Konstantina Trivisa. A low Mach number limit of a dispersive Navier–Stokes system. *SIAM Journal on Mathematical Analysis*, 44(3): 1760–1807, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lu:2017:GAT

[LSW17] Yulong Lu, Andrew Stuart, and Hendrik Weber. Gaussian approximations for transition paths in Brownian dynamics. *SIAM Journal on Mathematical Analysis*, 49(4): 3005–3047, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2011:GUS

[LT11] Shitao Liu and Roberto Triggiani. Global uniqueness and stability in determining the damping coefficient of an inverse hyperbolic problem with NonHomogeneous Neumann B.C. through an additional Dirichlet boundary trace. *SIAM Journal on Mathematical Analysis*, 43(4): 1631–1666, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1631_s1`.

Lattanzio:2013:RED

[LT13] Corrado Lattanzio and Athanasios E. Tzavaras. Relative entropy in diffusive relaxation. *SIAM Journal on Mathematical Analysis*, 45(3): 1563–1584, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2017:EUW

[LT17] Jinkai Li and Edriss S. Titi. Existence and uniqueness of weak solutions to viscous primitive equations for a certain class of discontinuous initial data. *SIAM Journal on Mathematical Analysis*, 49 (1):1–28, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2019:GEW

[LT19] Xin Liu and Edriss S. Titi. Global existence of weak solutions to the compressible primitive equations of atmospheric dynamics with degenerate viscosities. *SIAM Journal on Mathematical Analysis*, 51(3):1913–1964, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lakshtanov:2017:UIC

[LTV17] Evgeny Lakshtanov, Jorge Tejero, and Boris Vainberg. Uniqueness in the inverse conductivity problem for complex-valued Lipschitz conductivities in the plane. *SIAM Journal on Mathematical Analysis*, 49(5):3766–3775, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lou:2014:AIF

[LTW14] Yuan Lou, Youshan Tao, and Michael Winkler. Approaching the ideal free distribution in two-species competition models with fitness-dependent dispersal. *SIAM Journal on Mathematical Analysis*, 46(2): 1228–1262, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lu:2013:EGW

[Lu13] Yun-Guang Lu. Existence of global weak entropy solutions to some nonstrictly hyperbolic systems. *SIAM Journal on Mathematical Analysis*, 45(6): 3592–3610, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lancia:2010:IHF

[LV10] Maria Rosaria Lancia and Paola Vernole. Irregular heat flow problems. *SIAM Journal on Mathematical Analysis*, 42(4):1539–1567, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lakshtanov:2012:EIT

[LV12] E. Lakshtanov and B. Vainberg. Ellipticity in the interior transmission problem in anisotropic media. *SIAM Journal on Mathematical Analysis*, 44(2):1165–1174, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2013:SSR

[LV13] Xiaodong Li and Vladislav Voroninski. Sparse signal recovery from quadratic measurements via convex programming. *SIAM Journal on Mathematical Analysis*, 45(5): 3019–3033, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lakshtanov:2015:SWL

[LV15] E. Lakshtanov and B. Vainberg. Sharp Weyl law for signed counting function of positive interior transmission eigenvalues. *SIAM Journal on Mathematical Analysis*, 47(4): 3212–3234, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Laurencot:2015:AGS

[LvR15] Philippe Laurençot and Henry van Roessel. Absence of gelation and self-similar behavior for a coagulation-fragmentation equation. *SIAM Journal on Mathematical Analysis*, 47(3):2355–2374, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2012:STF

[LW12] Yi Li and Yaping Wu. Stability of traveling front solutions with algebraic spatial decay for some autocatalytic chemical reaction systems. *SIAM Journal on Mathematical Analysis*, 44(3): 1474–1521, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lin:2014:TEW

[LW14a] Xiaobiao Lin and Martin Wechselberger. Transonic evaporation waves in a spherically symmetric nozzle. *SIAM Journal on Mathematical Analysis*, 46(2):1472–1504, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2014:SBL

[LW14b] Cheng-Jie Liu and Ya-Guang Wang. Stability of boundary layers for the nonisentropic compressible circularly symmetric 2D flow. *SIAM Journal on Mathematical Analysis*, 46 (1):256–309, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lipshutz:2015:EUS

[LW15] David Lipshutz and Ruth J. Williams. Existence, uniqueness, and stability of slowly oscillating periodic solutions for delay differential equations with nonnegativity constraints. *SIAM Journal on Mathematical Analysis*, 47(6): 4467–4535, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lasiecka:2016:FSF

[LW16a] Irena Lasiecka and Justin T. Webster. Feedback stabilization of a fluttering panel in an inviscid subsonic potential flow. *SIAM Journal on Mathematical Analysis*, 48(3): 1848–1891, ???? 2016. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Liechty:2016:TLS

[LW16b] Karl Liechty and Dong Wang. Two Lax systems for the Painlevé II equation, and two related kernels in random matrix theory. *SIAM Journal on Mathematical Analysis*, 48(5): 3618–3666, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2017:VSR

[LW17] Tai-Ping Liu and Haitao Wang. Viscous scalar rarefaction waves. *SIAM Journal on Mathematical Analysis*, 49(3): 2061–2100, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2011:LRG

[LWX11] Yongsheng Li, Yifei Wu, and Guixiang Xu. Low regularity global solutions for the focusing mass-critical NLS in **R**. *SIAM Journal on Mathematical Analysis*, 43(1): 322–340, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p322_s1.

Li:2016:GCS

[LWX16] Wei-Xi Li, Di Wu, and Chao-Jiang Xu. Gevrey class smoothing effect for the Prandtl equation. *SIAM Journal on Mathematical Analysis*, 48(3):1672–1726, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lichtner:2011:SDD

[LWY11] M. Lichtner, M. Wolfrum, and S. Yanchuk. The spectrum of delay differential equations with large delay. *SIAM Journal on Mathematical Analysis*, 43(2):788–802, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p788_s1.

Li:2018:GMS

[LWY18] Jun Li, Ingo Witt, and Huicheng Yin. Global multidimensional shock waves of 2-dimensional and 3-dimensional unsteady potential flow equations. *SIAM Journal on Mathematical Analysis*, 50(1):933–1009, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2011:ESU

[LWZ11] Peijun Li, Haijun Wu, and Weiying Zheng. Electromagnetic scattering by unbounded rough surfaces. *SIAM Journal on Mathematical Analysis*, 43(3):1205–

1231, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1205_s1.

Lafitte:2015:HFS

[LWZ15] Olivier Lafitte, Mark Williams, and Kevin Zumbrun. High-frequency stability of detonations and turning points at infinity. *SIAM Journal on Mathematical Analysis*, 47(3): 1800–1878, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lafitte:2016:BDO

[LWZ16] Olivier Lafitte, Mark Williams, and Kevin Zumbrun. Block-diagonalization of ODEs in the semiclassical limit and C^ω versus C^∞ stationary phase. *SIAM Journal on Mathematical Analysis*, 48(3): 1773–1797, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lam:2018:TWC

[LWZ18] King-Yeung Lam, Xueying Wang, and Tianran Zhang. Traveling waves for a class of diffusive disease-transmission models with network structures. *SIAM Journal on Mathematical Analysis*, 50(6): 5719–5748, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2016:ETM

[LX16] Jian-Guo Liu and Xiangsheng Xu. Existence theorems for a multidimensional crystal surface model. *SIAM Journal on Mathematical Analysis*, 48(6): 3667–3687, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2017:OEP

[LX17a] Haigang Li and Longjuan Xu. Optimal estimates for the perfect conductivity problem with inclusions close to the boundary. *SIAM Journal on Mathematical Analysis*, 49(4): 3125–3142, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2017:ESP

[LX17b] Hongyu Liu and Jingni Xiao. On electromagnetic scattering from a penetrable corner. *SIAM Journal on Mathematical Analysis*, 49(6):5207–5241, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2017:AVC

[LX17c] Jian-Guo Liu and Xiangsheng Xu. Analytical validation of a continuum model for the evolution of a crystal surface in multiple space dimensions. *SIAM Journal on Mathematical Analysis*, 49(3): 2220–2245, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2019:CPS

[LX19] Hao-Guang Li and Chao-Jiang Xu. Cauchy problem for the spatially homogeneous Landau equation with Shubin class initial datum and Gelfand–Shilov smoothing effect. *SIAM Journal on Mathematical Analysis*, 51(1):532–564, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2019:JPA

[LXY19] Cheng-Jie Liu, Feng Xie, and Tong Yang. Justification of Prandtl ansatz for MHD boundary layer. *SIAM Journal on Mathematical Analysis*, 51(3):2748–2791, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2013:GCS

[LXZ13] Hai-Liang Li, Xinying Xu, and Jianwen Zhang. Global classical solutions to 3D compressible magnetohydrodynamic equations with large oscillations and vacuum. *SIAM Journal on Mathematical Analysis*, 45(3):1356–1387, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2019:LEU

[LY19] Xin Liu and Yuan Yuan. Local existence and uniqueness of strong solutions to the free boundary problem of the full compressible Navier–Stokes equations in three dimensions. *SIAM Journal on Mathematical Analysis*, 51(2): 748–789, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2016:SSB

[LYZ16] Hai-Liang Li, Tong Yang, and Mingying Zhong. Spectrum structure and behaviors of the Vlasov–Maxwell–Boltzmann systems. *SIAM Journal on Mathematical Analysis*, 48(1): 595–669, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2014:ODC

[LYZZ14] Hongxia Liu, Tong Yang, Huijiang Zhao, and Qingyang Zou. One-dimensional compressible Navier–Stokes equations with temperature dependent transport coefficients and large data. *SIAM Journal on Mathematical Analysis*, 46(3): 2185–2228, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2017:GRC

[LZ17] Mingjie Li and Qingtian Zhang. Generic regularity of conservative solutions to Camassa–Holm type equations. *SIAM Journal on Mathematical Analysis*, 49(4): 2920–2949, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lu:2018:REW

[LZ18] Yong Lu and Zhifei Zhang. Relative entropy, weak-strong uniqueness, and conditional regularity for a compressible Oldroyd–B model. *SIAM Journal on Mathematical Analysis*, 50(1):557–590, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lin:2019:MAS

[LZ19] Junshan Lin and Hai Zhang. Mathematical analysis of surface plasmon resonance by a nano-gap in the plasmonic metal. *SIAM Journal on Mathematical Analysis*, 51(6): 4448–4489, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2015:GMV

[LZZ15] Jing Li, Jianwen Zhang, and Junning Zhao. On the global motion of viscous compressible barotropic flows subject to large external potential forces and vacuum. *SIAM Journal on Mathematical Analysis*, 47(2):1121–1153, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liang:2017:PED

[LZZ17] Xing Liang, Lei Zhang, and Xiao-Qiang Zhao. The principal eigenvalue for degenerate periodic reaction-diffusion systems. *SIAM Journal on Mathematical Analysis*, 49(5): 3603–3636, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Maeda:2017:EAS

[Mae17] Masaya Maeda. Existence and asymptotic stability of quasi-periodic solutions of discrete NLS with potential. *SIAM Journal on Mathematical Analysis*, 49(5):3396–3426, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Marzuola:2010:CSP

[Mar10] Jeremy L. Marzuola. A class of stable perturbations for a minimal mass soliton in three-dimensional saturated nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 42(3): 1382–1403, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Marinelli:2018:WPS

[Mar18] Carlo Marinelli. On well-posedness of semilinear stochastic evolution equations on L_p spaces. *SIAM Journal on Mathematical Analysis*, 50(2): 2111–2143, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Masaki:2011:ESS

[Mas11] Satoshi Masaki. Energy solution to a Schrödinger–Poisson system in the two-dimensional whole space. *SIAM Journal on Mathematical Analysis*, 43(6):2719–2731, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2719_s1.

Mohammed:2016:FDL

[MB16] Wael W. Mohammed and Dirk Blömker. Fast diffusion limit for reaction–diffusion systems with stochastic Neumann boundary conditions. *SIAM Journal on Mathematical Analysis*, 48(5):3547–3578, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mohammed:2013:MES

[MBK13] Wael W. Mohammed, Dirk Blömker, and Konrad Klepel. Modulation equation for stochastic Swift–Hohenberg equation. *SIAM Journal on Mathematical Analysis*, 45(1): 14–30, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mirrahimi:2013:SHJ

[MBPS13] Sepideh Mirrahimi, Guy Barles, Benoît Perthame, and Panagiotis E. Souganidis. A singular Hamilton–Jacobi equation modeling the tail problem. *SIAM Journal on Mathematical Analysis*, 44(6): 4297–4319, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mora-Corral:2014:QEC

[MC14] Carlos Mora-Corral. Quasistatic evolution of cavities in nonlinear elasticity. *SIAM Journal on Mathematical Analysis*, 46(1):532–571, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Medvedev:2014:NHE

[Med14] Georgi S. Medvedev. The nonlinear heat equation on dense graphs and graph limits. *SIAM Journal on Mathematical Analysis*, 46(4):2743–2766, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mei:2010:BAP

[Mei10] Ming Mei. Best asymptotic profile for hyperbolic p-system with damping. *SIAM Journal on Mathematical Analysis*, 42(1):1–23, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Melcher:2010:TFL

[Mel10] Christof Melcher. Thin-film limits for Landau–Lifshitz–Gilbert equations. *SIAM Journal on Mathematical Analysis*, 42(1):519–537, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Melenk:2012:MPC

[Mel12] Jens Markus Melenk. Mapping properties of combined field Helmholtz boundary integral operators. *SIAM Journal on Mathematical Analysis*, 44(4):2599–2636, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Merono:2018:FAS

[Mer18] Cristóbal J. Meroño. Fixed angle scattering: Recovery of singularities and its limitations. *SIAM Journal on Mathematical Analysis*, 50(5):5616–5636, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Milton:2018:AET

[Mil18] Graeme W. Milton. Approximating the effective tensor as a function of the component tensors in two-dimensional composites of two anisotropic phases. *SIAM Journal on Mathematical Analysis*, 50(3):3327–3364, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mitchener:2010:MFM

[Mit10] W. Garrett Mitchener. Mean-field and measure-valued differential equation models for language variation and change in a spatially distributed population. *SIAM Journal on Mathematical Analysis*, 42(5):1899–1933, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mizumachi:2011:SSF

[Miz11] Tetsu Mizumachi. N-soliton states of the Fermi–Pasta–Ulam lattices. *SIAM Journal on Mathematical Analysis*, 43(5):2170–2210, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2170_s1`.

Manjunath:2014:DRD

[MJ14] G. Manjunath and H. Jaeger. The dynamics of random difference equations is remodeled by closed relations. *SIAM Journal on Mathematical Analysis*, 46(1):459–483, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mindt:2019:EPC

[MLD19] Pascal Mindt, Jens Lang, and Pia Domschke. Entropy-preserving coupling of hierarchical gas models. *SIAM Journal on Mathematical Analysis*, 51(6):4754–4775, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mahadevan:2011:HSC

[MM11] Rajesh Mahadevan and T. Muthukumar. Homogenization of some cheap control problems. *SIAM Journal on Mathematical Analysis*, 43(5):2211–2229, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2211_s1`.

Ma:2017:SLL

[MM17] To Fu Ma and Rodrigo Nunes Monteiro. Singular limit and long-time dynamics of Bresse systems. *SIAM Journal on Mathematical Analysis*, 49(4):2468–2495, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Maekawa:2018:ISS

[MM18a] Yasunori Maekawa and Hideyuki Miura. On isomorphism for the space of solenoidal vector fields and its application to the incompressible flows. *SIAM Journal on Mathematical Analysis*, 50(1):339–353, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Masaki:2018:LRS

[MM18b] Satoshi Masaki and Hayato Miyazaki. Long range scattering for nonlinear Schrödinger equations with critical homogeneous nonlinearity. *SIAM Journal on Mathematical Analysis*, 50(3):3251–3270, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mailybaev:2011:RLT

[MMB11] A. A. Mailybaev, D. Marchesin, and J. Bruining. Resonance in low-temperature oxidation waves for porous media. *SIAM Journal on Mathematical Analysis*, 43(5):2230–2252, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2230_s1`.

Mitsoudis:2013:HEA

[MMP13] D. A. Mitsoudis, Ch. Makridakis, and M. Plexousakis. Helmholtz equation with artificial boundary conditions in a two-dimensional waveguide. *SIAM Journal on Mathematical Analysis*, 44(6): 4320–4344, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Marchese:2019:MTP

[MMT19] Andrea Marchese, Annalisa Massaccesi, and Riccardo Tione. A multimaterial transport problem and its convex relaxation via rectifiable G-currents. *SIAM Journal on Mathematical Analysis*, 51(3): 1965–1998, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Muratov:2012:GEC

[MN12] C. B. Muratov and M. Novaga. Global exponential convergence to variational traveling waves in cylinders. *SIAM Journal on Mathematical Analysis*, 44(1):293–315, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p293_s1`.

Mucci:2016:LGE

[MN16] Domenico Mucci and Lorenzo Nicolodi. On the Landau–de Gennes elastic energy of constrained biaxial nematics. *SIAM Journal on Mathematical Analysis*, 48(3):1954–1987, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

McKinley:2018:ADG

[MN18] Scott A. McKinley and Hung D. Nguyen. Anomalous diffusion and the generalized Langevin equation. *SIAM Journal on Mathematical Analysis*, 50(5):5119–5160, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Miyazaki:2011:DFC

[MNS11] Rinko Miyazaki, Toshiki Naito, and Jong Son Shin. Delayed feedback control by commutative gain matrices. *SIAM Journal on Mathematical Analysis*, 43(3):1122–1144, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1122_s1`.

Moradifam:2013:CIO

[MNT13] Amir Moradifam, Adrian Nachman, and Alexandru Tamasan. Conductivity imaging from one interior measurement in the presence of perfectly conducting and insulating inclusions. *SIAM Jour-*

nal on Mathematical Analysis, 44(6):3969–3990, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Muller:2014:ACD

[MO14] Stefan Müller and Heiner Olbermann. Almost conical deformations of thin sheets with rotational symmetry. *SIAM Journal on Mathematical Analysis*, 46(1): 25–44, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Milisic:2015:SML

[MO15] Vuk Milisić and Dietmar Oelz. On a structured model for load-dependent reaction kinetics of transient elastic linkages mediating nonlinear friction. *SIAM Journal on Mathematical Analysis*, 47(3): 2104–2121, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ma:2019:LNS

[MO19] Manjun Ma and Chunhua Ou. Linear and nonlinear speed selection for mono-stable wave propagations. *SIAM Journal on Mathematical Analysis*, 51 (1):321–345, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Moameni:2011:SUC

[Moa11] Abbas Moameni. Stability under Γ-convergence of least energy solutions for semilinear problems in the whole R^N. *SIAM Journal on Mathematical Analysis*, 43(4):1759–1786, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1759_s1`.

Monard:2016:IAG

[Mon16] François Monard. Inversion of the attenuated geodesic X-ray transform over functions and vector fields on simple surfaces. *SIAM Journal on Mathematical Analysis*, 48(2): 1155–1177, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Moon:2016:DFC

[Moo16] Sunghwan Moon. On the determination of a function from its conical Radon transform with a fixed central axis. *SIAM Journal on Mathematical Analysis*, 48(3): 1833–1847, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

McCormick:2016:LBB

[MOR+16] David S. McCormick, Eric J. Olson, James C. Robinson, Jose L. Rodrigo, Alejandro

Vidal-López, and Yi Zhou. Lower bounds on blowing-up solutions of the three-dimensional Navier–Stokes equations in $\dot{H}^{3/2}$, $\dot{H}^{5/2}$, and $\dot{B}^{5/2}_{2,1}$. *SIAM Journal on Mathematical Analysis*, 48(3): 2119–2132, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mori:2019:VFA

[Mor19] Ryunosuke Mori. Validity of formal asymptotic expansions for singularly perturbed competition-diffusion systems. *SIAM Journal on Mathematical Analysis*, 51(2): 820–853, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mielke:2014:ANV

[MOS14] Alexander Mielke, Christoph Ortner, and Yasemin Sengül. An approach to nonlinear viscoelasticity via metric gradient flows. *SIAM Journal on Mathematical Analysis*, 46(2): 1317–1347, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mosco:2018:FTS

[Mos18] Umberto Mosco. Finite-time self-organized-criticality on synchronized infinite grids. *SIAM Journal on Mathematical Analysis*, 50(3):2409–2440, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mei:2010:GSM

[MOZ10] Ming Mei, Chunhua Ou, and Xiao-Qiang Zhao. Global stability of monostable traveling waves for nonlocal time-delayed reaction–diffusion equations. *SIAM Journal on Mathematical Analysis*, 42(6): 2762–2790, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [MOZ12].

Mei:2012:EGS

[MOZ12] Ming Mei, Chunhua Ou, and Xiao-Qiang Zhao. Erratum: "Global Stability of Monostable Traveling Waves For Nonlocal Time-delayed Reaction-diffusion Equations". *SIAM Journal on Mathematical Analysis*, 44 (1):538–540, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p538_s1`. See [MOZ10].

Mikulevicius:2012:ESS

[MP12] R. Mikulevicius and H. Pragarauskas. On L_p-estimates of some singular integrals related to jump processes. *SIAM Journal on Mathematical Analysis*, 44(4):2305–2328, ???? 2012. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Melcher:2013:LLS

[MP13] Christof Melcher and Mariya Ptashnyk. Landau–Lifshitz–Slonczewski equations: Global weak and classical solutions. *SIAM Journal on Mathematical Analysis*, 45(1):407–429, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Muller:2014:DIR

[MP14] Stefan Müller and Mariapia Palombaro. On a differential inclusion related to the Born–Infeld equations. *SIAM Journal on Mathematical Analysis*, 46(4):2385–2403, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Murray:2016:ADE

[MP16] Ryan W. Murray and Robert L. Pego. Algebraic decay to equilibrium for the Becker–Döring equations. *SIAM Journal on Mathematical Analysis*, 48(4):2819–2842, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mallet-Paret:2014:ANS

[MPN14] John Mallet-Paret and Roger D. Nussbaum. Analyticity and nonanalyticity of solutions of delay-differential equations. *SIAM Journal on Mathematical Analysis*, 46(4):2468–2500, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Manfredi:2010:AMV

[MPR10] Juan J. Manfredi, Mikko Parviainen, and Julio D. Rossi. An asymptotic mean value characterization for a class of nonlinear parabolic equations related to tug-of-war games. *SIAM Journal on Mathematical Analysis*, 42(5):2058–2081, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mora:2017:CID

[MPS17] Maria Giovanna Mora, Mark A. Peletier, and Lucia Scardia. Convergence of interaction-driven evolutions of dislocations with Wasserstein dissipation and slip-plane confinement. *SIAM Journal on Mathematical Analysis*, 49(5):4149–4205, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mazzone:2019:MFF

[MPS19] Giusy Mazzone, Jan Prüss, and Gieri Simonett. On the motion of a fluid-filled rigid body with Navier boundary conditions. *SIAM Journal on Mathematical Analysis*, 51(3):1582–1606, ???? 2019. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Maddalena:2018:VPF

[MPT18] Francesco Maddalena, Danilo Percivale, and Franco Tomarelli. Variational problems for Föppl–von Kármán plates. *SIAM Journal on Mathematical Analysis*, 50(1):251–282, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Menoukeu-Pamen:2019:SSS

[MPT19] Olivier Menoukeu-Pamen and Ludovic Tangpi. Strong solutions of some one-dimensional SDEs with random and unbounded drifts. *SIAM Journal on Mathematical Analysis*, 51(5):4105–4141, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mucha:2015:HCC

[MPZ15] P. B. Mucha, M. Pokorný, and E. Zatorska. Heat-conducting, compressible mixtures with multicomponent diffusion: Construction of a weak solution. *SIAM Journal on Mathematical Analysis*, 47(5):3747–3797, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Marinelli:2012:EWS

[MQS12] Carlo Marinelli and Lluís Quer-Sardanyons. Existence of weak solutions for a class of semilinear stochastic wave equations. *SIAM Journal on Mathematical Analysis*, 44(2):906–925, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Munnier:2015:AAN

[MR15] Alexandre Munnier and Karim Ramdani. Asymptotic analysis of a Neumann problem in a domain with cusp. application to the collision problem of rigid bodies in a perfect fluid. *SIAM Journal on Mathematical Analysis*, 47(6):4360–4403, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mercuri:2016:RRL

[MRS16] Carlo Mercuri, Giuseppe Riey, and Berardino Sciunzi. A regularity result for the p-Laplacian near uniform ellipticity. *SIAM Journal on Mathematical Analysis*, 48(3):2059–2075, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mazon:2014:OMP

[MRT14] José M. Mazón, Julio D. Rossi, and Julián Toledo. An optimal matching problem for the Euclidean distance. *SIAM Journal on Mathematical Analysis*, 46(1): 233–255, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ming:2015:MSR

[MRT15] Mei Ming, Frederic Rousset, and Nikolay Tzvetkov. Multi-solitons and related solutions for the water-waves system. *SIAM Journal on Mathematical Analysis*, 47(1): 897–954, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Morassi:2012:SDR

[MRV12] Antonino Morassi, Edi Rosset, and Sergio Vessella. Stable determination of a rigid inclusion in an anisotropic elastic plate. *SIAM Journal on Mathematical Analysis*, 44(3): 2204–2235, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Morassi:2019:OSI

[MRV19] Antonino Morassi, Edi Rosset, and Sergio Vessella. Optimal stability in the identification of a rigid inclusion in an isotropic Kirchhoff–Love plate. *SIAM Journal on Mathematical Analysis*, 51(2): 731–747, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

McCann:2011:HCO

[MS11] R. J. McCann and M. Sosio. Hölder continuity for optimal multivalued mappings. *SIAM Journal on Mathematical Analysis*, 43(4):1855–1871, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1855_s1`.

Mascia:2013:MNP

[MS13a] Corrado Mascia and Marta Strani. Metastability for nonlinear parabolic equations with application to scalar viscous conservation laws. *SIAM Journal on Mathematical Analysis*, 45(5):3084–3113, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mugnai:2013:CRA

[MS13b] Luca Mugnai and Christian Seis. On the coarsening rates for attachment-limited kinetics. *SIAM Journal on Mathematical Analysis*, 45(1): 324–344, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Morini:2014:CMN

[MS14] Massimiliano Morini and Peter Sternberg. Cascade of minimizers for a nonlocal isoperimetric problem in thin domains. *SIAM Journal on Mathematical Analysis*, 46(3): 2033–2051, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Montaru:2016:SSR

[MS16] Alexandre Montaru and Boyan Sirakov. Stationary states of reaction–diffusion and Schrödinger systems with inhomogeneous or controlled diffusion. *SIAM Journal on Mathematical Analysis*, 48(4): 2561–2587, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Masaki:2018:RSE

[MS18a] Satoshi Masaki and Jun-Ichi Segata. Refinement of Strichartz estimates for Airy equation in nondiagonal case and its application. *SIAM Journal on Mathematical Analysis*, 50(3):2839–2866, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Meszaros:2018:VFS

[MS18b] Alpár Richárd Mészáros and Francisco J. Silva. On the variational formulation of some stationary second-order mean field games systems. *SIAM Journal on Mathematical Analysis*, 50(1): 1255–1277, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mitake:2016:LAW

[MSTY16] H. Mitake, A. Siconolfi, H. V. Tran, and N. Yamada. A Lagrangian approach to weakly coupled Hamilton–Jacobi systems. *SIAM Journal on Mathematical Analysis*, 48(2): 821–846, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ming:2013:LTE

[MSZ13] Mei Ming, Jean Claude Saut, and Ping Zhang. Long-time existence of solutions to Boussinesq systems. *SIAM Journal on Mathematical Analysis*, 44(6): 4078–4100, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Migorski:2019:WPH

[MSZ19] Stanisław Migórski, Mircea Sofonea, and Shengda Zeng. Well-posedness of history-dependent sweeping processes. *SIAM Journal on Mathematical Analysis*, 51(2): 1082–1107, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Matthies:2013:SAJ

[MT13] Karsten Matthies and Florian Theil. A semigroup approach to the justification of kinetic theory. *SIAM Journal on Mathematical Analysis*, 44(6): 4345–4379, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mizuno:2015:CAC

[MT15] Masashi Mizuno and Yoshihiro Tonegawa. Convergence of the Allen–Cahn equation with Neumann boundary conditions. *SIAM Journal on Mathematical Analysis*, 47(3): 1906–1932, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [MT16].

Mizuno:2016:ET

[MT16] Masashi Mizuno and Yoshihiro Tonegawa. Erratum to "Convergence of the Allen–Cahn Equation with Neumann Boundary Conditions". *SIAM Journal on Mathematical Analysis*, 48(4):3035–3036, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [MT15].

Matthies:2019:ROS

[MT19] Karsten Matthies and Florian Theil. Rescaled objective solutions of Fokker–Planck and Boltzmann equations. *SIAM Journal on Mathematical Analysis*, 51(2): 1321–1348, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Munoz:2012:DSL

[Muñ12] Claudio Muñoz. Dynamics of soliton-like solutions for slowly varying, generalized KdV equations: Refraction versus reflection. *SIAM Journal on Mathematical Analysis*, 44(1):1–60, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p1_s1.

Murphy:2014:INC

[Mur14] Jason Murphy. Intercritical NLS: Critical $\dot{H}^s$-bounds imply scattering. *SIAM Journal on Mathematical Analysis*, 46 (1):939–997, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Molchanov:2019:PDM

[MV19] Stanislav Molchanov and Boris Vainberg. Population dynamics with moderate tails of the underlying random walk. *SIAM Journal on Mathematical Analysis*, 51(3): 1824–1835, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Metcalfe:2017:SCA

[MW17] Jason Metcalfe and Chengbo Wang. The Strauss conjecture on asymptotically flat space-times. *SIAM Journal on Mathematical Analysis*, 49(6): 4579–4594, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Miao:2019:RIC

[MX19] Changxing Miao and Liutang Xue. On the regularity issues of a class of drift-diffusion equations with nonlocal diffusion. *SIAM Journal on Mathematical Analysis*, 51(4): 2927–2970, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Matsumura:2012:ABS

[MY12] Akitaka Matsumura and Natsumi Yoshida. Asymptotic behavior of solutions to the Cauchy problem for the scalar viscous conservation law with partially linearly degenerate flux. *SIAM Journal on Mathematical Analysis*, 44(4):2526–2544, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Miroshnikov:2017:WSI

[MY17] Alexey Miroshnikov and Robin Young. Weak* solutions II: The vacuum in Lagrangian gas dynamics. *SIAM Journal on Mathematical Analysis*, 49(3):1810–1843, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mohammed:2013:SBE

[MZ13] Salah-Eldin A. Mohammed and Tusheng Zhang. Stochastic Burgers equation with random initial velocities: a Malliavin calculus approach. *SIAM Journal on Mathematical Analysis*, 45(4):2396–2420, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Michel:2018:SAK

[MZ18] Laurent Michel and Maciej Zworski. A semiclassical approach to the Kramers–Smoluchowski equation. *SIAM Journal on Mathematical Analysis*, 50(5): 5362–5379, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ming:2012:LWA

[MZZ12] Mei Ming, Ping Zhang, and Zhifei Zhang. Long-wave approximation to the 3-D capillary-gravity waves. *SIAM Journal on Mathematical Analysis*, 44(4):2920–2948, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nadin:2010:ESR

[Nad10] Grégoire Nadin. The effect of the Schwarz rearrangement on the periodic principal eigenvalue of a nonsymmetric operator. *SIAM Journal on Mathematical Analysis*, 41(6): 2388–2406, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nazarov:2012:CZH

[Naz12] A. I. Nazarov. A centennial of the Zaremba–Hopf–Oleinik Lemma. *SIAM Journal on Mathematical Analysis*, 44(1): 437–453, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p437_s1.

Nesensohn:2014:GVF

[Nes14] Manuel Nesensohn. Generalized viscoelastic fluids with a free boundary without surface tension. *SIAM Journal on Mathematical Analysis*, 46 (1):428–458, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Neumayer:2016:SFQ

[Neu16] Robin Neumayer. A strong form of the quantitative Wulff inequality. *SIAM Journal on Mathematical Analysis*, 48(3): 1727–1772, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2010:ASN

[Ngu10] Toan Nguyen. On asymptotic stability of noncharacteristic viscous boundary layers. *SIAM Journal on Mathematical Analysis*, 42(3):1156–1178, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2013:RSA

[Ngu13] Hoai-Minh Nguyen. On a regularized scheme for approximate acoustic cloaking using transformation optics. *SIAM Journal on Mathematical Analysis*, 45(5):3034–3049, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2015:ALD

[Ngu15] Linh V. Nguyen. On artifacts in limited data spherical Radon transform: Flat observation surfaces. *SIAM Journal on Mathematical Analysis*, 47(4):2984–3004, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2016:PLP

[Ngu16] Quang-Huy Nguyen. A pseudo-local property of gravity water waves system. *SIAM Journal on Mathematical Analysis*, 48(3):1988–

2027, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2017:CAO

[Ngu17] Hoai-Minh Nguyen. Cloaking an arbitrary object via anomalous localized resonance: The cloak is independent of the object. *SIAM Journal on Mathematical Analysis*, 49(4):3208–3232, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Niikuni:2012:DSG

[Nii12] Hiroaki Niikuni. On the degenerate spectral gaps of the one-dimensional Schrödinger operators with periodic point interactions. *SIAM Journal on Mathematical Analysis*, 44 (4):2847–2870, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2019:AQR

[NKV19] Huy Tuan Nguyen, Vo Anh Khoa, and Van Au Vo. Analysis of a quasi-reversibility method for a terminal value quasi-linear parabolic problem with measurements. *SIAM Journal on Mathematical Analysis*, 51(1):60–85, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nesenenko:2012:WPD

[NN12] Sergiy Nesenenko and Patrizio Neff. Well-posedness for dislocation based gradient viscoplasticity I: Subdifferential case. *SIAM Journal on Mathematical Analysis*, 44(3):1694–1712, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2019:ILN

[NN19] Toan T. Nguyen and Trinh T. Nguyen. The inviscid limit of Navier–Stokes equations for vortex-wave data on $\mathbf{R}^2$. *SIAM Journal on Mathematical Analysis*, 51(3):2575–2598, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Naidenov:2018:LCV

[NNS18] Nikola Naidenov, Geno Nikolov, and Alexei Shadrin. On the largest critical value of $T_n^{(}k)$. *SIAM Journal on Mathematical Analysis*, 50(3):2389–2408, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nolen:2011:IPR

[Nol11] James Nolen. An invariance principle for random traveling waves in one dimension. *SIAM Journal on Mathematical Analysis*, 43(1):153–188, ???? 2011. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p153_s1.

Nishibata:2012:ASB

[NOS12] Shinya Nishibata, Masashi Ohnawa, and Masahiro Suzuki. Asymptotic stability of boundary layers to the Euler–Poisson equations arising in plasma physics. *SIAM Journal on Mathematical Analysis*, 44(2):761–790, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Novack:2018:DRL

[Nov18] Michael R. Novack. Dimension reduction for the Landau–de Gennes model: The vanishing nematic correlation length limit. *SIAM Journal on Mathematical Analysis*, 50(6):6007–6048, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Novack:2019:WST

[Nov19] Matthew D. Novack. On the weak solutions to the three-dimensional inviscid quasi-geostrophic system. *SIAM Journal on Mathematical Analysis*, 51(3):2686–2712, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Novotny:2011:WVS

[NP11] Antonín Novotný and Milan Pokorný. Weak and variational solutions to steady equations for compressible heat conducting fluids. *SIAM Journal on Mathematical Analysis*, 43(3):1158–1188, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1158_s1.

Nguyen:2016:WYM

[NP16] Hong Thai Nguyen and Dariusz Paczka. Weak and Young measure solutions for hyperbolic initial boundary value problems of elastodynamics in the Orlicz–Sobolev space setting. *SIAM Journal on Mathematical Analysis*, 48(2):1297–1331, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nahmod:2013:ASE

[NPS13] Andrea R. Nahmod, Natasa Pavlović, and Gigliola Staffilani. Almost sure existence of global weak solutions for supercritical Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 45(6):3431–3452, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Neves:2018:STC

[NPS18] Wladimir Neves, Evgeniy Panov, and Jean Silva. Strong traces for conservation laws with general nonautonomous flux. *SIAM Journal on Mathematical Analysis*, 50(6):6049–6081, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nijholt:2017:CMC

[NRS17] Eddie Nijholt, Bob Rink, and Jan Sanders. Center manifolds of coupled cell networks. *SIAM Journal on Mathematical Analysis*, 49(5): 4117–4148, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nakanishi:2012:IMA

[NS12] K. Nakanishi and W. Schlag. Invariant manifolds around soliton manifolds for the nonlinear Klein–Gordon equation. *SIAM Journal on Mathematical Analysis*, 44(2): 1175–1210, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2013:SAC

[NS13] Toan T. Nguyen and Walter A. Strauss. Stability analysis of collisionless plasmas with specularly reflecting boundary. *SIAM Journal on Mathematical Analysis*, 45(2): 777–808, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Neukamm:2017:SHN

[NSS17] Stefan Neukamm, Mathias Schäffner, and Anja Schlömerkemper. Stochastic homogenization of nonconvex discrete energies with degenerate growth. *SIAM Journal on Mathematical Analysis*, 49(3):1761–1809, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nazarov:2013:LEE

[NT13] Sergey A. Nazarov and Jari Taskinen. Localization estimates for eigenfrequencies of waves trapped by a freely floating body in a channel. *SIAM Journal on Mathematical Analysis*, 45(4):2523–2545, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Negreanu:2014:TSC

[NT14] Mihaela Negreanu and J. Ignacio Tello. On a two species chemotaxis model with slow chemical diffusion. *SIAM Journal on Mathematical Analysis*, 46(6):3761–3781, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2018:KEZ

[NT18] Toan T. Nguyen and Minh-Binh Tran. On the kinetic equation in Zakharov's wave turbulence theory for capillary waves. *SIAM Journal on Mathematical Analysis*, 50(2): 2020–2047, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2019:ACT

[NT19] Hoai-Minh Nguyen and Loc X. Tran. Approximate cloaking for time-dependent Maxwell equations via transformation optics. *SIAM Journal on Mathematical Analysis*, 51(5): 4142–4171, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nochetto:2019:DFG

[NTW19] Ricardo H. Nochetto, Konstantina Trivisa, and Franziska Weber. On the dynamics of ferrofluids: Global weak solutions to the rosensweig system and rigorous convergence to equilibrium. *SIAM Journal on Mathematical Analysis*, 51(6): 4245–4286, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nagayasu:2011:RPO

[NUW11] Sei Nagayasu, Gunther Uhlmann, and Jenn-Nan Wang. Reconstruction of penetrable obstacles in acoustic scattering. *SIAM Journal on Mathematical Analysis*, 43(1): 189–211, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p189_s1`.

Nguyen:2012:ACF

[NV12] Hoai-Minh Nguyen and Michael S. Vogelius. Approximate cloaking for the full wave equation via change of variables. *SIAM Journal on Mathematical Analysis*, 44(3):1894–1924, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ninomiya:2017:TCW

[NW17] Hirokazu Ninomiya and Chang-Hong Wu. Traveling curved waves in two-dimensional excitable media. *SIAM Journal on Mathematical Analysis*, 49 (2):777–817, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Oh:2010:IGM

[Oh10] Tadahiro Oh. Invariance of the Gibbs measure for the Schrödinger–Benjamin–Ono system. *SIAM Journal on Mathematical Analysis*, 41(6):2207–2225, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Oh:2015:NSE

[Oh15] Tadahiro Oh. On nonlinear Schrödinger equations with almost periodic initial data. *SIAM Journal on Mathematical Analysis*, 47(2): 1253–1270, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ohnawa:2014:SCS

[Ohn14] Masashi Ohnawa. L^∞-stability of continuous shock waves in a radiating gas model. *SIAM Journal on Mathematical Analysis*, 46(3): 2136–2159, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ohnawa:2015:ASP

[Ohn15] Masashi Ohnawa. Asymptotic stability of plasma boundary layers to the Euler–Poisson equations with fluid-boundary interaction. *SIAM Journal on Mathematical Analysis*, 47(4): 2795–2831, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ohnawa:2016:SDT

[Ohn16] Masashi Ohnawa. L^∞-stability of discontinuous traveling waves in a hyperbolic-elliptic coupled system. *SIAM Journal on Mathematical Analysis*, 48(6):3820–3839, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Olbermann:2019:LWF

[Olb19] Heiner Olbermann. On a Γ-limit of Willmore functionals with additional curvature penalization term. *SIAM Journal on Mathematical Analysis*, 51(3):2599–2632, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Onodera:2011:SIH

[Ono11] Michiaki Onodera. Stability of the interface of a Hele–Shaw flow with two injection points. *SIAM Journal on Mathematical Analysis*, 43(4): 1810–1834, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1810_s1`.

Osting:2017:CDP

[OR17] Braxton Osting and Todd Harry Reeb. Consistency of Dirichlet partitions. *SIAM Journal on Mathematical Analysis*, 49(5): 4251–4274, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ozanski:2019:PRS

[OR19] Wojciech S. Ozański and James C. Robinson. Partial regularity for a surface growth model. *SIAM Journal* *on Mathematical Analysis*, 51 (1):228–255, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Otto:2019:OTR

[OSW19] Felix Otto, Sebastian Scholtes, and Maria G. Westdickenberg. Optimal L^1-type relaxation rates for the Cahn–Hilliard equation on the line. *SIAM Journal on Mathematical Analysis*, 51(6):4645–4682, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Otway:2010:USB

[Otw10] Thomas H. Otway. Unique solutions to boundary value problems in the cold plasma model. *SIAM Journal on Mathematical Analysis*, 42(6): 3045–3053, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3045_s1`.

Ovcharov:2011:SEK

[Ovc11] Evgeni Y. Ovcharov. Strichartz estimates for the kinetic transport equation. *SIAM Journal on Mathematical Analysis*, 43(3):1282–1310, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1282_s1`.

Otto:2014:REO

[OW14] Felix Otto and Maria G. Westdickenberg. Relaxation to equilibrium in the one-dimensional Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 46(1): 720–756, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pallard:2014:SMV

[Pal14] Christophe Pallard. Space moments of the Vlasov–Poisson system: Propagation and regularity. *SIAM Journal on Mathematical Analysis*, 46(3):1754–1770, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Panov:2012:WCS

[Pan12a] Evgeniy Panov. On weak completeness of the set of entropy solutions to a degenerate nonlinear parabolic equation. *SIAM Journal on Mathematical Analysis*, 44(1): 513–535, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p513_s1`.

Pantea:2012:PGS

[Pan12b] Casian Pantea. On the persistence and global stability of mass-action systems. *SIAM Journal on Mathematical Analysis*, 44(3):1636–1673, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Paoli:2015:VIP

[Pao15] Laetitia Paoli. Vibro-impact problems with dry friction — Part I: Existence result. *SIAM Journal on Mathematical Analysis*, 47(5):3285–3313, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Paoli:2016:VIP

[Pao16] Laetitia Paoli. Vibro-impact problems with dry friction — Part II: Tangential contacts and frictional catastrophes. *SIAM Journal on Mathematical Analysis*, 48(2):1272–1296, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pass:2011:UMS

[Pas11] Brendan Pass. Uniqueness and Monge solutions in the multimarginal optimal transportation problem. *SIAM Journal on Mathematical Analysis*, 43(6):2758–2775, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2758_s1`.

Pass:2013:COT

[Pas13] Brendan Pass. On a class of optimal transportation problems with infinitely many marginals. *SIAM Journal on Mathematical Analysis*, 45(4):2557–2575, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pinto:2017:CFR

[PD17] M. Campos Pinto and B. Desprès. Constructive formulations of resonant Maxwell's equations. *SIAM Journal on Mathematical Analysis*, 49(5):3637–3670, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pedregal:2015:WLN

[Ped15] Pablo Pedregal. Weak limits in nonlinear conductivity. *SIAM Journal on Mathematical Analysis*, 47(2):1154–1168, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Peng:2015:UGS

[Pen15] Yue-Jun Peng. Uniformly global smooth solutions and convergence of Euler–Poisson systems with small parameters. *SIAM Journal on Mathematical Analysis*, 47(2):1355–1376, ???? 2015. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Peng:2017:CLD

[Pen17] Guanying Peng. Convergence of the Lawrence–Doniach energy for layered superconductors with magnetic fields near H_{c_1}. *SIAM Journal on Mathematical Analysis*, 49(2):1225–1266, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Perepelitsa:2010:ATR

[Per10] Misha Perepelitsa. Asymptotics toward rarefaction waves and vacuum for 1-D compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 42(3): 1404–1412, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Perepelitsa:2015:KFE

[Per15] Misha Perepelitsa. On a kinetic formulation of the Euler equations. *SIAM Journal on Mathematical Analysis*, 47(3): 2074–2083, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Peszek:2015:DCS

[Pes15] Jan Peszek. Discrete Cucker–Smale flocking model with a weakly singular weight. *SIAM Journal on Mathematical Analysis*, 47(5):3671–3686, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pimentel:2016:USG

[Pim16] Juliana F. S. Pimentel. Unbounded Sturm global attractors for semilinear parabolic equations on the circle. *SIAM Journal on Mathematical Analysis*, 48(6):3860–3882, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pinezich:2019:PSN

[Pin19] John D. Pinezich. Propagation of singularities in nonconvex Hamilton–Jacobi problems: Local structure in two dimensions. *SIAM Journal on Mathematical Analysis*, 51(5): 3796–3818, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Plakhov:2014:PMR

[Pla14] Alexander Plakhov. The problem of minimal resistance for functions and domains. *SIAM Journal on Mathematical Analysis*, 46(4): 2730–2742, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Perez-Llanos:2018:OFM

[PLPSS18] Mayte Pérez-Llanos, Juan P. Pinasco, Nicolas Saintier, and Analía Silva. Opinion formation models with heterogeneous persuasion and zealotry. *SIAM Journal on Mathematical Analysis*, 50(5):4812–4837, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pohjola:2015:URI

[Poh15] Valter Pohjola. A uniqueness result for an inverse problem of the steady state convection-diffusion equation. *SIAM Journal on Mathematical Analysis*, 47(3):2084–2103, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Polacik:2017:PPT

[Pol17] P. Polácik. Planar propagating terraces and the asymptotic one-dimensional symmetry of solutions of semilinear parabolic equations. *SIAM Journal on Mathematical Analysis*, 49(5):3716–3740, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Poon:2019:MSS

[PP19] Clarice Poon and Gabriel Peyré. Multidimensional sparse super-resolution. *SIAM Journal on Mathematical Analysis*, 51(1):1–44, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Piat:2013:LES

[PPP13] V. Chiadò Piat, I. Pankratova, and A. Piatnitski. Localization effect for a spectral problem in a perforated domain with Fourier boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(3):1302–1327, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pagani:2016:CAG

[PPPV16] Carlo D. Pagani, Dario Pierotti, Angela Pistoia, and Giusi Vaira. Concentration along geodesics for a nonlinear Steklov problem arising in corrosion modeling. *SIAM Journal on Mathematical Analysis*, 48(2):1085–1108, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Popoff:2013:WML

[PR13] Nicolas Popoff and Nicolas Raymond. When the 3D magnetic Laplacian meets a curved edge in the semiclassical limit. *SIAM Journal on Mathematical Analysis*, 45(4):2354–2395, ???? 2013. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Prange:2013:AAB

[Pra13] Christophe Prange. Asymptotic analysis of boundary layer correctors in periodic homogenization. *SIAM Journal on Mathematical Analysis*, 45 (1):345–387, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Piccoli:2015:CFK

[PRT15] Benedetto Piccoli, Francesco Rossi, and Emmanuel Trélat. Control to flocking of the kinetic Cucker–Smale model. *SIAM Journal on Mathematical Analysis*, 47(6):4685–4719, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pinski:2015:KLA

[PSSW15] F. J. Pinski, G. Simpson, A. M. Stuart, and H. Weber. Kullback–Leibler approximation for probability measures on infinite dimensional spaces. *SIAM Journal on Mathematical Analysis*, 47(6): 4091–4122, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Peletier:2010:DRC

[PSV10] Mark A. Peletier, Giuseppe Savaré, and Marco Veneroni. From diffusion to reaction via Γ-Convergence. *SIAM Journal on Mathematical Analysis*, 42(4):1805–1825, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pellet:2019:HHC

[PSZ19a] Xavier Pellet, Lucia Scardia, and Caterina Ida Zeppieri. Homogenization of high-contrast Mumford–Shah energies. *SIAM Journal on Mathematical Analysis*, 51(3): 1696–1729, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Piasecki:2019:SDC

[PSZ19b] Tomasz Piasecki, Yoshihiro Shibata, and Ewelina Zatorska. On strong dynamics of compressible two-component mixture flow. *SIAM Journal on Mathematical Analysis*, 51(4):2793–2849, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Privault:2011:DEF

[PT11] Nicolas Privault and Giovanni Luca Torrisi. Density estimation of functionals of spatial point processes with application to wireless networks. *SIAM Journal on Mathematical Analysis*, 43(3): 1311–1344, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.`

siam.org/sima/resource/1/sjmaah/v43/i3/p1311_s1.

Piccoli:2018:GBE

[PT18] Benedetto Piccoli and Magali Tournus. A general BV existence result for conservation laws with spatial heterogeneities. *SIAM Journal on Mathematical Analysis*, 50(3): 2901–2927, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pu:2013:DLE

[Pu13] Xueke Pu. Dispersive limit of the Euler–Poisson system in higher dimensions. *SIAM Journal on Mathematical Analysis*, 45(2):834–878, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Palacios:2018:QAM

[PUW18] Benjamin Palacios, Gunther Uhlmann, and Yiran Wang. Quantitative analysis of metal artifacts in X-ray tomography. *SIAM Journal on Mathematical Analysis*, 50(5):4914–4936, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Plotnikov:2015:INS

[PW15] P. I. Plotnikov and W. Weigant. Isothermal Navier–Stokes equations and Radon transform. *SIAM Journal on Mathematical Analysis*, 47(1):626–653, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Perrin:2018:ODG

[PW18] C. Perrin and M. Westdickenberg. One-dimensional granular system with memory effects. *SIAM Journal on Mathematical Analysis*, 50(6): 5921–5946, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Peng:2011:RLG

[PWG11] Yue-Jun Peng, Shu Wang, and Qilong Gu. Relaxation limit and global existence of smooth solutions of compressible Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 43(2): 944–970, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p944_s1.

Pu:2017:LLE

[PWW17] Xueke Pu, Meng Wang, and Wendong Wang. The Landau–Lifshitz equation of the ferromagnetic spin chain and Oseen–Frank flow. *SIAM Journal on Mathematical Analysis*, 49(6):5134–5157, ???? 2017. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Procesi:2013:QTF

[PX13] Michela Procesi and Xindong Xu. Quasi-Töplitz functions in KAM Theorem. *SIAM Journal on Mathematical Analysis*, 45(4):2148–2181, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pedregal:2010:DMM

[PY10] Pablo Pedregal and Baisheng Yan. A duality method for micromagnetics. *SIAM Journal on Mathematical Analysis*, 41(6):2431–2452, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Polacik:2014:LSS

[PY14] Peter Polácik and Eiji Yanagida. Localized solutions of a semilinear parabolic equation with a recurrent nonstationary asymptotics. *SIAM Journal on Mathematical Analysis*, 46 (5):3481–3496, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Paicu:2011:GER

[PZ11] Marius Paicu and Arghir Zarnescu. Global existence and regularity for the full coupled Navier–Stokes and Q-tensor system. *SIAM Journal on Mathematical Analysis*, 43(5):2009–2049, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2009_s1`.

Pawlow:2013:GRS

[PZ13] Irena Pawlow and Wojciech M. Zajaczkowski. Global regular solutions to a Kelvin–Voigt type thermoviscoelastic system. *SIAM Journal on Mathematical Analysis*, 45(4): 1997–2045, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Piatnitski:2017:PHN

[PZ17] A. Piatnitski and E. Zhizhina. Periodic homogenization of nonlocal operators with a convolution-type kernel. *SIAM Journal on Mathematical Analysis*, 49(1):64–81, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Peng:2019:ABP

[PZZ19] Rui Peng, Guanghui Zhang, and Maolin Zhou. Asymptotic behavior of the principal eigenvalue of a linear second order elliptic operator with small/large diffusion coefficient. *SIAM Journal on Mathematical Analysis*, 51(6): 4724–4753, ???? 2019. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Qin:2015:WPD

[Qin15] Wen-Xin Qin. Wave propagation in diatomic lattices. *SIAM Journal on Mathematical Analysis*, 47(1):477–497, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Quittner:2012:SCS

[QS12] Pavol Quittner and Philippe Souplet. Symmetry of components for semilinear elliptic systems. *SIAM Journal on Mathematical Analysis*, 44(4): 2545–2559, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Qin:2011:LTB

[QW11] Xiaohong Qin and Yi Wang. Large-time behavior of solutions to the inflow problem of full compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 43(1):341–366, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p341_s1.

Qiao:2019:VTP

[QWE19] Yangyang Qiao, Huanyao Wen, and Steinar Evje. Viscous two-phase flow in porous media driven by source terms: Analysis and numerics. *SIAM Journal on Mathematical Analysis*, 51(6):5103–5140, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rein:2018:ABS

[Rei18] Gerhard Rein. The asymptotic behavior of solutions to the repulsive n-body problem. *SIAM Journal on Mathematical Analysis*, 50(1):1–4, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rey:2012:BAA

[Rey12] Thomas Rey. Blow up analysis for anomalous granular gases. *SIAM Journal on Mathematical Analysis*, 44(3): 1544–1561, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Riaza:2010:SLQ

[Ria10] Ricardo Riaza. Stability loss in quasilinear DAEs by divergence of a pencil eigenvalue. *SIAM Journal on Mathematical Analysis*, 41(6): 2226–2245, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rodiac:2016:RPS

[Rod16] Rémy Rodiac. Regularity properties of stationary harmonic functions whose Laplacian is a Radon measure. *SIAM Journal on Mathematical Analysis*, 48(4):2495–2531, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Roubicek:2010:TRI

[Rou10] Tomáš Roubíček. Thermodynamics of rate-independent processes in viscous solids at small strains. *SIAM Journal on Mathematical Analysis*, 42 (1):256–297, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Roubicek:2013:ACV

[Rou13] Tomás Roubícek. Adhesive contact of visco-elastic bodies and defect measures arising by vanishing viscosity. *SIAM Journal on Mathematical Analysis*, 45(1):101–126, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Riva:2018:VTM

[RP18] Matteo Dalla Riva and Luigi Provenzano. On vibrating thin membranes with mass concentrated near the boundary: an asymptotic analysis. *SIAM Journal on Mathematical Analysis*, 50(3):2928–2967, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ramming:2013:SSE

[RR13] Tobias Ramming and Gerhard Rein. Spherically symmetric equilibria for self-gravitating kinetic or fluid models in the nonrelativistic and relativistic case — a simple proof for finite extension. *SIAM Journal on Mathematical Analysis*, 45 (2):900–914, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rocca:2015:E

[RR15] Elisabetta Rocca and Riccarda Rossi. “Entropic” solutions to a thermodynamically consistent PDE system for phase transitions and damage. *SIAM Journal on Mathematical Analysis*, 47(4):2519–2586, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rivera:2017:TPT

[RR17] Jaime E. Muñoz Rivera and Reinhard Racke. Transmission problems in (thermo)Viscoelasticity with Kelvin–Voigt damping: Nonexponential, strong, and polynomial stability. *SIAM Journal on Mathematical Analysis*, 49(5):3741–3765, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Roth:2017:RPE

[RSS17] Gregory Roth, Paul L. Salceanu, and Sebastian J. Schreiber. Robust permanence for ecological maps. *SIAM Journal on Mathematical Analysis*, 49(5):3527–3549, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ran:2018:NBV

[RSZ18] Yu Ran, Shu-Ming Sun, and Bing-Yu Zhang. Nonhomogeneous boundary value problems of nonlinear Schrödinger equations in a half plane. *SIAM Journal on Mathematical Analysis*, 50(3):2773–2806, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rossi:2017:CRI

[RT17] Riccarda Rossi and Marita Thomas. Coupling rate-independent and rate-dependent processes: Existence results. *SIAM Journal on Mathematical Analysis*, 49(2):1419–1494, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Remond-Tiedrez:2019:VSW

[RTT19] Antoine Remond-Tiedrez and Ian Tice. The viscous surface wave problem with generalized surface energies. *SIAM Journal on Mathematical Analysis*, 51(6):4894–4952, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rossi:2017:EFK

[RTV17] Luca Rossi, Andrea Tellini, and Enrico Valdinoci. The effect on Fisher–KPP propagation in a cylinder with fast diffusion on the boundary. *SIAM Journal on Mathematical Analysis*, 49(6):4595–4624, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Radu:2016:GDP

[RTY16] Petronela Radu, Grozdena Todorova, and Borislav Yordanov. The generalized diffusion phenomenon and applications. *SIAM Journal on Mathematical Analysis*, 48(1): 174–203, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2017:CVS

[RTZ17] Zhenjie Ren, Nizar Touzi, and Jianfeng Zhang. Comparison of viscosity solutions of fully nonlinear degenerate parabolic path-dependent PDEs. *SIAM Journal on Mathematical Analysis*, 49(5): 4093–4116, ???? 2017. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Ribaud:2012:WPR

[RV12] Francis Ribaud and Stéphane Vento. Well-posedness results for the three-dimensional Zakharov–Kuznetsov equation. *SIAM Journal on Mathematical Analysis*, 44(4): 2289–2304, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2014:ASD

[RW14] Xiaofeng Ren and Juncheng Wei. Asymmetric and symmetric double bubbles in a ternary inhibitory system. *SIAM Journal on Mathematical Analysis*, 46(4):2798–2852, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2011:LTS

[RZ11] Jie Ren and Xicheng Zhang. Limit theorems for stochastic differential equations with discontinuous coefficients. *SIAM Journal on Mathematical Analysis*, 43(1):302–321, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p302_s1`.

Renclawowicz:2014:GNN

[RZ14] Joanna Renclawowicz and Wojciech M. Zajaczkowski. Global nonstationary Navier–Stokes motion with large flux. *SIAM Journal on Mathematical Analysis*, 46(4):2581–2613, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rodrigues:2016:PCD

[RZ16] L. Miguel Rodrigues and Kevin Zumbrun. Periodic-coefficient damping estimates, and stability of large-amplitude roll waves in inclined thin film flow. *SIAM Journal on Mathematical Analysis*, 48(1):268–280, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2017:LDA

[RZ17] Siqi Ren and Weiren Zhao. Linear damping of Alfvén waves by phase mixing. *SIAM Journal on Mathematical Analysis*, 49(3):2101–2137, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ruland:2018:HSR

[RZZ18] Angkana Rüland, Christian Zillinger, and Barbara Zwicknagl. Higher Sobolev regularity of convex integration solutions in elasticity: The Dirichlet problem with affine data in int(K^{lc}). *SIAM Journal on Mathematical Analysis*, 50(4): 3791–3841, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sabin:2013:CRS

[Sab13] Julien Sabin. Charge renormalization and static electron/positron pair production for a nonlinear Dirac model with weak interactions. *SIAM Journal on Mathematical Analysis*, 45(4): 2099–2147, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sacchetti:2018:NSW

[Sac18] Andrea Sacchetti. Nonlinear Stark–Wannier equation. *SIAM Journal on Mathematical Analysis*, 50(6):5783–5810, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Salakhudinov:2012:RIE

[Sal12] R. G. Salakhudinov. Refined inequalities for Euclidean moments of a domain with respect to its boundary. *SIAM Journal on Mathematical Analysis*, 44(4):2949–2961, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sprengel:2017:TIT

[SCB17] M. Sprengel, G. Ciaramella, and A. Borzì. A theoretical investigation of time-dependent Kohn–Sham equations. *SIAM Journal on Mathematical Analysis*, 49(3): 1681–1704, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [SCB20].

Sprengel:2020:ETI

[SCB20] M. Sprengel, G. Ciaramella, and A. Borzì. Erratum: A Theoretical Investigation of Time-dependent Kohn–Sham Equations. *SIAM Journal on Mathematical Analysis*, 52(1): 1006–1008, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [SCB17].

Schwab:2010:PHN

[Sch10] Russell W. Schwab. Periodic homogenization for nonlinear integro-differential equations. *SIAM Journal on Mathematical Analysis*, 42(6): 2652–2680, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schaeffer:2014:RSC

[Sch14a] Jack Schaeffer. A restriction on shocks in collisionless plasma. *SIAM Journal on Mathematical Analysis*, 46(4): 2767–2797, ???? 2014. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Schonbek:2014:HSD

[Sch14b] Tomas Schonbek. On a Helmholtz style decomposition for an exterior domain. *SIAM Journal on Mathematical Analysis*, 46(5):3497–3517, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schaeffer:2017:NHS

[Sch17] Jack Schaeffer. On nearly homogeneous states in collisionless plasma. *SIAM Journal on Mathematical Analysis*, 49(3): 2269–2286, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schachter:2018:NCF

[Sch18a] Benjamin Schachter. A new class of first order displacement convex functionals. *SIAM Journal on Mathematical Analysis*, 50(2):1779–1789, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schwenker:2018:GSS

[Sch18b] Sören Schwenker. Generic steady state bifurcations in monoid equivariant dynamics with applications in homogeneous coupled cell systems. *SIAM Journal on Mathematical Analysis*, 50(3): 2466–2485, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Su:2013:KTQ

[SdlL13] Xifeng Su and Rafael de la Llave. KAM theory for quasi-periodic equilibria in one-dimensional quasi-periodic media. *SIAM Journal on Mathematical Analysis*, 44(6): 3901–3927, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Seiskari:2014:PEP

[Sei14] Otto Seiskari. Point electrode problems in piecewise smooth plane domains. *SIAM Journal on Mathematical Analysis*, 46(2):1204–1227, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Senik:2017:HNS

[Sen17] Nikita N. Senik. Homogenization for non-self-adjoint periodic elliptic operators on an infinite cylinder. *SIAM Journal on Mathematical Analysis*, 49(2):874–898, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Shen:2015:SER

[She15] Wen Shen. Slow erosion with rough geological layers. *SIAM Journal on Mathematical Analysis*, 47(4):3116–

3150, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Showalter:2010:NDE

[Sho10] R. E. Showalter. Nonlinear degenerate evolution equations in mixed formulation. *SIAM Journal on Mathematical Analysis*, 42(5):2114–2131, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Simanek:2016:EIZ

[Sim16] Brian Simanek. An electrostatic interpretation of the zeros of paraorthogonal polynomials on the unit circle. *SIAM Journal on Mathematical Analysis*, 48(3):2250–2268, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sincich:2010:SDU

[Sin10] Eva Sincich. Stability for the determination of unknown boundary and impedance with a Robin boundary condition. *SIAM Journal on Mathematical Analysis*, 42(6):2922–2943, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2922_s1`.

Sharma:2016:GES

[SM16] Vandana Sharma and Jeff Morgan. Global existence of solutions to reaction–diffusion systems with mass transport type boundary conditions. *SIAM Journal on Mathematical Analysis*, 48(6):4202–4240, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Scott:2019:PSE

[SM19] James Scott and Tadele Mengesha. A potential space estimate for solutions of systems of nonlocal equations in peridynamics. *SIAM Journal on Mathematical Analysis*, 51(1):86–109, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Smith:2017:RPV

[Smi17] Scott A. Smith. Random perturbations of viscous, compressible fluids: Global existence of weak solutions. *SIAM Journal on Mathematical Analysis*, 49(6):4521–4578, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sofonea:2018:CRO

[Sof18] Mircea Sofonea. Convergence results and optimal control for a class of hemivariational inequalities. *SIAM Journal on*

Mathematical Analysis, 50(4): 4066–4086, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Souplet:2019:SAR

[Sou19] Philippe Souplet. A simplified approach to the refined blowup behavior for the nonlinear heat equation. *SIAM Journal on Mathematical Analysis*, 51(2):991–1013, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schimperna:2013:CCH

[SP13] Giulio Schimperna and Irena Pawlow. On a class of Cahn–Hilliard models with nonlinear diffusion. *SIAM Journal on Mathematical Analysis*, 45 (1):31–63, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Spence:2014:WEB

[Spe14] E. A. Spence. Wavenumber-explicit bounds in time-harmonic acoustic scattering. *SIAM Journal on Mathematical Analysis*, 46(4):2987–3024, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sisti:2014:ECM

[SR14] Francesco Sisti and Costantino Ricciuti. Effects of concavity on the motion of a body immersed in a Vlasov gas. *SIAM Journal on Mathematical Analysis*, 46(6):3579–3611, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Srinivasan:2011:RCS

[Sri11] Ravi Srinivasan. Rates of convergence for Smoluchowski's coagulation equations. *SIAM Journal on Mathematical Analysis*, 43(4): 1835–1854, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1835_s1`.

Schade:2015:SDC

[SS15] Katharina Schade and Yoshihiro Shibata. On strong dynamics of compressible nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 47(5):3963–3992, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schwab:2017:FST

[SS17] Christoph Schwab and Rob Stevenson. Fractional space-time variational formulations of (Navier–) Stokes equations. *SIAM Journal on Mathematical Analysis*, 49(4): 2442–2467, ???? 2017. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Schrecker:2019:VVL

[SS19] Matthew R. I. Schrecker and Simon Schulz. Vanishing viscosity limit of the compressible Navier–Stokes equations with general pressure law. *SIAM Journal on Mathematical Analysis*, 51(3):2168–2205, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schouten-Straatman:2019:TWS

[SSH19] Willem M. Schouten-Straatman and Hermen Jan Hupkes. Traveling waves for spatially discrete systems of FitzHugh–Nagumo type with periodic coefficients. *SIAM Journal on Mathematical Analysis*, 51(4):3492–3532, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Saff:2015:OPA

[SSST15] E. B. Saff, H. Stahl, N. Stylianopoulos, and V. Totik. Orthogonal polynomials for area-type measures and image recovery. *SIAM Journal on Mathematical Analysis*, 47(3):2442–2463, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Stinner:2014:GWS

[SSW14] Christian Stinner, Christina Surulescu, and Michael Winkler. Global weak solutions in a PDE–ODE system modeling multiscale cancer cell invasion. *SIAM Journal on Mathematical Analysis*, 46(3):1969–2007, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Song:2019:NFK

[SSZ19] Jian Song, Xiaoming Song, and Qi Zhang. Nonlinear Feynman–Kac formulas for stochastic partial differential equations with space-time noise. *SIAM Journal on Mathematical Analysis*, 51(2):955–990, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Smarrazzo:2010:LTB

[ST10] Flavia Smarrazzo and Alberto Tesei. Long-time behavior of solutions to a class of forward-backward parabolic equations. *SIAM Journal on Mathematical Analysis*, 42(3):1046–1093, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Shih:2011:GSA

[ST11] Chih-Wen Shih and Jui-Pin Tseng. Global synchronization and asymptotic phases for a ring of identical cells with delayed coupling. *SIAM Journal on Mathematical Analysis*, 43(4): 1667–1697, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1667_s1`.

Sadiq:2015:RCT

[ST15a] Kamran Sadiq and Alexandru Tamasan. On the range characterization of the two-dimensional attenuated Doppler transform. *SIAM Journal on Mathematical Analysis*, 47(3):2001–2021, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Strani:2015:TDI

[ST15b] Marta Strani and Benjamin Texier. Time-delayed instabilities in complex Burgers equations. *SIAM Journal on Mathematical Analysis*, 47(4): 2495–2518, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Stinga:2017:RTE

[ST17] Pablo Raúl Stinga and José L. Torrea. Regularity theory and extension problem for fractional nonlocal parabolic equations and the master equation. *SIAM Journal on Mathematical Analysis*, 49(5): 3893–3924, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Suzuki:2018:TLS

[ST18] Masahiro Suzuki and Atusi Tani. Time-local solvability of the Degond–Lucquin-Desreux–Morrow model for gas discharge. *SIAM Journal on Mathematical Analysis*, 50(5):5096–5118, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Slepcev:2019:ALR

[ST19] Dejan Slepcev and Matthew Thorpe. Analysis of p-Laplacian regularization in semisupervised learning. *SIAM Journal on Mathematical Analysis*, 51(3):2085–2120, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Stokols:2019:HCF

[Sto19] Logan F. Stokols. Hölder continuity for a family of nonlocal hypoelliptic kinetic equations. *SIAM Journal on Mathematical Analysis*, 51(6): 4815–4847, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Strain:2010:GNL

[Str10] Robert M. Strain. Global Newtonian limit for the relativistic Boltzmann equation near vacuum. *SIAM Journal on Mathematical Analysis*, 42(4):1568–1601, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sugiyama:2016:DFT

[Sug16] Yuusuke Sugiyama. Degeneracy in finite time of 1D quasilinear wave equations. *SIAM Journal on Mathematical Analysis*, 48(2): 847–860, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Suslina:2013:HNP

[Sus13] Tatiana Suslina. Homogenization of the Neumann problem for elliptic systems with periodic coefficients. *SIAM Journal on Mathematical Analysis*, 45(6):3453–3493, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Savin:2011:DEN

[SV11] Ovidiu Savin and Enrico Valdinoci. Density estimates for a nonlocal variational model via the Sobolev inequality. *SIAM Journal on Mathematical Analysis*, 43(6): 2675–2687, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2675_s1`.

Stan:2014:FKE

[SV14] Diana Stan and Juan Luis Vázquez. The Fisher–KPP equation with nonlinear fractional diffusion. *SIAM Journal on Mathematical Analysis*, 46(5):3241–3276, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sweers:2018:PHC

[SV18] Guido Sweers and Katerina Vassi. Positivity for a hinged convex plate with stress. *SIAM Journal on Mathematical Analysis*, 50(1): 1163–1174, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Scala:2019:VAS

[SV19] Riccardo Scala and Nicolas Van Goethem. A variational approach to single crystals with dislocations. *SIAM Journal on Mathematical Analysis*, 51(1):489–531, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Segatti:2011:FDR

[SW11a] Antonio Segatti and Hao Wu. Finite dimensional reduction and convergence to equilibrium for incompressible smectic-A liquid crystal flows. *SIAM Journal on Mathematical Analysis*, 43(6): 2445–2481, ???? 2011. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2445_s1.

Shapiro:2011:RDB

[SW11b] A. M. Shapiro and M. I. Weinstein. Radiative decay of bubble oscillations in a compressible fluid. *SIAM Journal on Mathematical Analysis*, 43 (2):828–876, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p828_s1.

Strauss:2017:SSR

[SW17] Walter A. Strauss and Yilun Wu. Steady states of rotating stars and galaxies. *SIAM Journal on Mathematical Analysis*, 49(6):4865–4914, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Soave:2018:UCP

[SW18] Nicola Soave and Tobias Weth. The unique continuation property of sublinear equations. *SIAM Journal on Mathematical Analysis*, 50(4): 3919–3938, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Saut:2017:CPL

[SWX17] Jean-Claude Saut, Chao Wang, and Li Xu. The Cauchy problem on large time for surface-waves-type Boussinesq systems II. *SIAM Journal on Mathematical Analysis*, 49(4):2321–2386, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Song:2015:RSP

[SWZ15] Kyungwoo Song, Qin Wang, and Yuxi Zheng. The regularity of semihyperbolic patches near sonic lines for the 2-D Euler system in gas dynamics. *SIAM Journal on Mathematical Analysis*, 47(3): 2200–2219, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Shen:2013:BSF

[SX13] Zuowei Shen and Zhiqiang Xu. On B-spline framelets derived from the unitary extension principle. *SIAM Journal on Mathematical Analysis*, 45 (1):127–151, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Strain:2014:SHB

[SY14] Robert M. Strain and Seok-Bae Yun. Spatially homogeneous Boltzmann equation for relativistic particles. *SIAM Journal on Mathe-*

matical Analysis, 46(1):917–938, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Stefanov:2017:TPT

[SY17] Plamen Stefanov and Yang Yang. Thermo- and photoacoustic tomography with variable speed and planar detectors. *SIAM Journal on Mathematical Analysis*, 49(1): 297–310, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sylvester:2012:DTE

[Syl12] John Sylvester. Discreteness of transmission eigenvalues via upper triangular compact operators. *SIAM Journal on Mathematical Analysis*, 44(1): 341–354, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p341_s1.

Sebert:2011:FPM

[SZ11] Florian M. Sebert and Yi Ming Zou. Factoring pseudoidentity matrix pairs. *SIAM Journal on Mathematical Analysis*, 43 (2):565–576, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p565_s1.

Salo:2012:IPL

[SZ12a] Mikko Salo and Xiao Zhong. An inverse problem for the p-Laplacian: Boundary determination. *SIAM Journal on Mathematical Analysis*, 44(4): 2474–2495, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Scardia:2012:LTM

[SZ12b] Lucia Scardia and Caterina Ida Zeppieri. Line-tension model for plasticity as the Γ-limit of a nonlinear dislocation energy. *SIAM Journal on Mathematical Analysis*, 44(4):2372–2400, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Taskovic:2018:MLM

[TAGP18] Maja Tasković, Ricardo J. Alonso, Irene M. Gamba, and Natasa Pavlović. On Mittag-Leffler moments for the Boltzmann equation for hard potentials without cutoff. *SIAM Journal on Mathematical Analysis*, 50(1):834–869, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Takada:2010:CCE

[Tak10] Ryo Takada. Counterexamples of commutator estimates in the Besov and the Triebel–Lizorkin spaces related to the

Euler equations. *SIAM Journal on Mathematical Analysis*, 42(6):2473–2483, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Takatsu:2013:BED

[Tak13] Asuka Takatsu. Behaviors of φ-exponential distributions in Wasserstein geometry and an evolution equation. *SIAM Journal on Mathematical Analysis*, 45(4): 2546–2556, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Taniguchi:2015:DCC

[Tan15] Masaharu Taniguchi. An $(N-1)$-dimensional convex compact set gives an N-dimensional traveling front in the Allen–Cahn equation. *SIAM Journal on Mathematical Analysis*, 47(1):455–476, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tang:2018:PSC

[Tan18] Hao Tang. On the pathwise solutions to the Camassa–Holm equation with multiplicative noise. *SIAM Journal on Mathematical Analysis*, 50(1):1322–1366, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Taylor:2018:AED

[Tay18] Jamie M. Taylor. An analysis of equilibria in dense nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 50(2):1918–1957, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tian:2017:TTS

[TD17] Xiaochuan Tian and Qiang Du. Trace theorems for some nonlocal function spaces with heterogeneous localization. *SIAM Journal on Mathematical Analysis*, 49(2): 1621–1644, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tejero:2017:RSP

[Tej17] Jorge Tejero. Reconstruction and stability for piecewise smooth potentials in the plane. *SIAM Journal on Mathematical Analysis*, 49(1): 398–420, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Terracina:2011:QBT

[Ter11] Andrea Terracina. Qualitative behavior of the two-phase entropy solution of a forward-backward parabolic problem. *SIAM Journal on Mathematical Analysis*, 43(1): 228–252, ???? 2011. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p228_s1.

Thaller:2019:ESS

[Tha19] Maximilian Thaller. Existence of static solutions of the Einstein–Vlasov–Maxwell system and the thin shell limit. *SIAM Journal on Mathematical Analysis*, 51(3): 2231–2260, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Thirouin:2019:AQS

[Thi19] Joseph Thirouin. About the quadratic Szegő hierarchy. *SIAM Journal on Mathematical Analysis*, 51(2):1454–1495, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Treinen:2013:SSS

[Tre13] Ray Treinen. On the symmetry of solutions to some floating drop problems. *SIAM Journal on Mathematical Analysis*, 44(6):3834–3847, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Triay:2018:DDG

[Tri18] Arnaud Triay. Derivation of the dipolar Gross–Pitaevskii energy. *SIAM Journal on Mathematical Analysis*, 50(1): 33–63, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Troy:2017:PSF

[Tro17] William C. Troy. Phase-locked solutions of the finite size Kuramoto coupled oscillator model. *SIAM Journal on Mathematical Analysis*, 49(3): 1912–1931, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Trillos:2018:CLP

[TSA18] Nicolás García Trillos and Daniel Sanz-Alonso. Continuum limits of posteriors in graph Bayesian inverse problems. *SIAM Journal on Mathematical Analysis*, 50(4): 4020–4040, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tsugawa:2012:LWP

[Tsu12] Kotaro Tsugawa. Local well-posedness of the KdV equation with quasi-periodic initial data. *SIAM Journal on Mathematical Analysis*, 44(5): 3412–3428, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Trofimchuk:2018:TWB

[TV18] Sergei Trofimchuk and Vitaly Volpert. Traveling waves for a bistable reaction–diffusion equation with delay. *SIAM Journal on Mathematical Analysis*, 50(1):1175–1199, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Temam:2010:SSM

[TW10] R. Temam and D. Wirosoetisno. Stability of the slow manifold in the primitive equations. *SIAM Journal on Mathematical Analysis*, 42(1): 427–458, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tao:2011:CHM

[TW11a] Youshan Tao and Michael Winkler. A chemotaxis-haptotaxis model: The roles of nonlinear diffusion and logistic source. *SIAM Journal on Mathematical Analysis*, 43 (2):685–704, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p685_s1`.

Thakur:2011:SBR

[TW11b] Gaurav Thakur and Hau-Tieng Wu. Synchrosqueezing-based recovery of instantaneous frequency from nonuniform samples. *SIAM Journal on Mathematical Analysis*, 43(5):2078–2095, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2078_s1`.

Tao:2015:LTB

[TW15] Youshan Tao and Michael Winkler. Large time behavior in a multidimensional chemotaxis-haptotaxis model with slow signal diffusion. *SIAM Journal on Mathematical Analysis*, 47(6):4229–4250, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tan:2018:GWP

[TW18a] Zhong Tan and Yanjin Wang. Global well-posedness of an initial-boundary value problem for viscous non-resistive MHD systems. *SIAM Journal on Mathematical Analysis*, 50(1):1432–1470, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tsai:2018:ENC

[TW18b] Dong-Ho Tsai and Xiao-Liu Wang. The evolution of nonlocal curvature flow arising in a Hele–Shaw problem. *SIAM Journal on Mathematical Analysis*, 50(1):1396–1431, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tan:2015:SSS

[TWW15] Zhong Tan, Yanjin Wang, and Yong Wang. Stability of steady states of the Navier–Stokes–Poisson equations with non-flat doping profile. *SIAM Journal on Mathematical Analysis*, 47(1): 179–209, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Temple:2011:TPL

[TY11] Blake Temple and Robin Young. Time-periodic linearized solutions of the compressible Euler equations and a problem of small divisors. *SIAM Journal on Mathematical Analysis*, 43(1): 1–49, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p1_s1`.

Tan:2013:GSO

[TYZZ13] Zhong Tan, Tong Yang, Huijiang Zhao, and Qingyang Zou. Global solutions to the one-dimensional compressible Navier–Stokes–Poisson equations with large data. *SIAM Journal on Mathematical Analysis*, 45(2):547–571, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tilli:2013:AFL

[TZ13] Paolo Tilli and Davide Zucco. Asymptotics of the first Laplace eigenvalue with Dirichlet regions of prescribed length. *SIAM Journal on Mathematical Analysis*, 45(6): 3266–3282, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tilli:2015:WBP

[TZ15] Paolo Tilli and Davide Zucco. Where best to place a Dirichlet condition in an anisotropic membrane? *SIAM Journal on Mathematical Analysis*, 47(4): 2699–2721, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tao:2018:CPW

[TZ18] Tao Tao and Liqun Zhang. On the continuous periodic weak solutions of Boussinesq equations. *SIAM Journal on Mathematical Analysis*, 50(1): 1120–1162, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ueda:2012:DSR

[UWK12] Yoshihiro Ueda, Shu Wang, and Shuichi Kawashima. Dissipative structure of the regularity-loss type and time asymptotic decay of solutions for the Euler–Maxwell system. *SIAM Journal on Mathe-*

matical Analysis, 44(3):2002–2017, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Valkonen:2015:JSU

[Val15] Tuomo Valkonen. The jump set under geometric regularization. Part 1: Basic technique and first-order denoising. *SIAM Journal on Mathematical Analysis*, 47(4):2587–2629, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

vonBrecht:2014:NST

[vBM14] James H. von Brecht and Scott G. McCalla. Nonlinear stability through algebraically decaying point spectrum: Applications to nonlocal interaction equations. *SIAM Journal on Mathematical Analysis*, 46(6):3727–3760, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

vanBaalen:2011:TPS

[vBW11] Guillaume van Baalen and Peter Wittwer. Time periodic solutions of the Navier–Stokes equations with nonzero constant boundary conditions at infinity. *SIAM Journal on Mathematical Analysis*, 43(4):1787–1809, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1787_s1`.

vandenBerg:2011:RNS

[vdBMJLM11] Jan Bouwe van den Berg, Jason D. Mireles-James, Jean-Philippe Lessard, and Konstantin Mischaikow. Rigorous numerics for symmetric connecting orbits: Even homoclinics of the Gray–Scott equation. *SIAM Journal on Mathematical Analysis*, 43(4):1557–1594, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1557_s1`.

vandenBerg:2019:RCS

[vdBW19] Jan Bouwe van den Berg and J. F. Williams. Rigorously computing symmetric stationary states of the Ohta–Kawasaki problem in three dimensions. *SIAM Journal on Mathematical Analysis*, 51(1):131–158, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Vessella:2015:SEI

[Ves15] Sergio Vessella. Stability estimates for an inverse hyperbolic initial boundary value problem with unknown boundaries. *SIAM Journal on Mathematical Analysis*, 47(2):1419–1457, ???? 2015. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Veltz:2013:CMR

[VF13] Romain Veltz and Olivier Faugeras. A center manifold result for delayed neural fields equations. *SIAM Journal on Mathematical Analysis*, 45(3): 1527–1562, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [VF15].

Veltz:2015:ECM

[VF15] Romain Veltz and Olivier Faugeras. Erratum: A center manifold result for delayed neural fields equations. *SIAM Journal on Mathematical Analysis*, 47(2): 1665–1670, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [VF13].

Visintin:2018:SCS

[Vis18] Augusto Visintin. Structural compactness and stability of semi-monotone flows. *SIAM Journal on Mathematical Analysis*, 50(3):2628–2663, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Vo:2018:CIS

[VK18] Hoang-Hung Vo and Seonghak Kim. Convex integration for scalar conservation laws in one space dimension. *SIAM Journal on Mathematical Analysis*, 50(3): 3122–3146, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

vanNeerven:2012:MRS

[vNVW12] Jan van Neerven, Mark Veraar, and Lutz Weis. Maximal L^p-regularity for stochastic evolution equations. *SIAM Journal on Mathematical Analysis*, 44(3): 1372–1414, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Vazquez:2011:ESF

[VW11] Juan Luis Vázquez and Michael Winkler. The evolution of singularities in fast diffusion equations: Infinite-time blow-down. *SIAM Journal on Mathematical Analysis*, 43(4):1499–1535, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1499_s1`.

Vasseur:2015:ILC

[VW15a] Alexis Vasseur and Yi Wang. The inviscid limit to a contact discontinuity for the compressible Navier–Stokes–Fourier system using the relative entropy method. *SIAM Journal on Mathematical Analysis*, 47(6):4350–4359, ???? 2015. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Vo:2015:CFS

[VW15b] Theodore Vo and Martin Wechselberger. Canards of folded saddle-node type I. *SIAM Journal on Mathematical Analysis*, 47(4):3235–3283, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Vasseur:2016:GWS

[VY16] Alexis F. Vasseur and Cheng Yu. Global weak solutions to the compressible quantum Navier–Stokes equations with damping. *SIAM Journal on Mathematical Analysis*, 48(2): 1489–1511, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Vergara:2015:ODE

[VZ15] Vicente Vergara and Rico Zacher. Optimal decay estimates for time-fractional and other nonlocal subdiffusion equations via energy methods. *SIAM Journal on Mathematical Analysis*, 47(1):210–239, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Walker:2014:LBJ

[Wal14] Stephen G. Walker. On a lower bound for the Jensen inequality. *SIAM Journal on Mathematical Analysis*, 46(5): 3151–3157, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2011:DLV

[Wan11] Yanjin Wang. The diffusive limit of the Vlasov–Boltzmann system for binary fluids. *SIAM Journal on Mathematical Analysis*, 43(1): 253–301, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p253_s1`.

Wang:2012:GST

[Wan12] Yanjin Wang. Global solution and time decay of the Vlasov–Poisson–Landau system in $\mathbf{R}^3$. *SIAM Journal on Mathematical Analysis*, 44(5): 3281–3323, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2013:PNS

[Wan13] Yuzhao Wang. Periodic nonlinear Schrödinger equation in critical $H^s(\mathbf{T}^n)$ spaces. *SIAM Journal on Mathematical Analysis*, 45(3):1691–1703, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2018:GWP

[Wan18] Yong Wang. Global well-posedness of the relativistic Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 50(5):5637–5694, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2019:FBP

[Wan19] Chunpeng Wang. A free boundary problem of a degenerate elliptic equation and subsonic-sonic flows with general sonic curves. *SIAM Journal on Mathematical Analysis*, 51(6):4977–5010, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Walsh:2013:SWW

[WBS13] Samuel Walsh, Oliver Bühler, and Jalal Shatah. Steady water waves in the presence of wind. *SIAM Journal on Mathematical Analysis*, 45(4): 2182–2227, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wei:2018:KSN

[WDL18] Jinlong Wei, Jinqiao Duan, and Guangying Lv. Kinetic solutions for nonlocal scalar conservation laws. *SIAM Journal on Mathematical Analysis*, 50(2):1521–1543, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Weinmann:2012:IMR

[Wei12] Andreas Weinmann. Interpolatory multiscale representation for functions between manifolds. *SIAM Journal on Mathematical Analysis*, 44(1): 162–191, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p162_s1`.

Weng:2014:SSF

[Wen14] Shangkun Weng. On steady subsonic flows for Euler–Poisson models. *SIAM Journal on Mathematical Analysis*, 46(1):757–779, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2012:ABG

[WFL12] Shu Wang, Yuehong Feng, and Xin Li. The asymptotic behavior of globally smooth solutions of bipolar nonisentropic compressible Euler–Maxwell system for plasma. *SIAM Journal on Mathematical Analysis*, 44(5): 3429–3457, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wheeler:2013:LAS

[Whe13] Miles H. Wheeler. Large-amplitude solitary water waves with vorticity. *SIAM Journal on Mathematical Analysis*, 45(5):2937–2994, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Winkler:2015:LDG

[Win15] Michael Winkler. Large-data global generalized solutions in a chemotaxis system with tensor-valued sensitivities. *SIAM Journal on Mathematical Analysis*, 47(4): 3092–3115, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wroblewska-Kaminska:2017:AAC

[WK17] Aneta Wróblewska-Kamińska. The asymptotic analysis of the complete fluid system on a varying domain: From the compressible to the incompressible flow. *SIAM Journal on Mathematical Analysis*, 49(5):3299–3334, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2016:GPN

[WLT16] Yong Wang, Chun Liu, and Zhong Tan. A generalized Poisson–Nernst–Planck–Navier–Stokes model on the fluid with the crowded charged particles: Derivation and its well-posedness. *SIAM Journal on Mathematical Analysis*, 48(5):3191–3235, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Weller:2013:AFB

[WNRJ13] Frederic Frank Weller, Maria Neuss-Radu, and Willi Jäger. Analysis of a free boundary problem modeling thrombus growth. *SIAM Journal on Mathematical Analysis*, 45(2): 809–833, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wolansky:2019:CAL

[Wol19] Gershon Wolansky. Contact angles of liquid drops subjected to a rough boundary. *SIAM Journal on Mathematical Analysis*, 51(3):2286–2305, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ward:2014:APS

[WU14a] John Paul Ward and Michael Unser. Approximation properties of Sobolev splines and the construction of compactly supported equivalents. *SIAM Journal on Mathematical Analysis*, 46(3):1843–1858, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2014:PBL

[Wu14b] Kung-Chien Wu. Pointwise behavior of the linearized Boltzmann equation on a torus. *SIAM Journal on Mathematical Analysis*, 46 (1):639–656, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2014:WPD

[Wu14c] Lei Wu. Well-posedness and decay of the viscous surface wave. *SIAM Journal on Mathematical Analysis*, 46(3): 2084–2135, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2016:SFD

[Wu16] Yilun Wu. Simplicity and finiteness of discrete spectrum of the Benjamin–Ono scattering operator. *SIAM Journal on Mathematical Analysis*, 48(2):1348–1367, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2017:JSD

[Wu17] Yilun Wu. Jost solutions and the direct scattering problem of the Benjamin–Ono equation. *SIAM Journal on Mathematical Analysis*, 49(6): 5158–5206, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wunsch:2010:GHS

[Wun10] Marcus Wunsch. The generalized Hunter–Saxton system. *SIAM Journal on Mathematical Analysis*, 42(3):1286–1304, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wei:2010:SSS

[WW10] Juncheng Wei and Matthias Winter. Stability of spiky solutions in a reaction–diffusion system with four morphogens on the real line. *SIAM Journal on Mathematical Analysis*, 42(6):2818–2841, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2012:MLP

[WW12] Shu Wang and Ke Wang. The mixed layer problem and quasi-neutral limit of the drift-diffusion model for semiconductors. *SIAM Journal on Mathematical Analysis*, 44(2): 699–717, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p699_s1`.

Wang:2015:SST

[WW15] Teng Wang and Yi Wang. Stability of superposition of two viscous shock waves for the Boltzmann equation. *SIAM Journal on Mathe-*

matical Analysis, 47(2):1070–1120, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wheeler:2018:GOR

[WW18] Aric Wheeler and Mark Williams. Geometric optics for Rayleigh wavetrains in d-dimensional. *SIAM Journal on Mathematical Analysis*, 50(4):4563–4615, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2012:GRV

[WWW12] Zhi-An Wang, Michael Winkler, and Dariusz Wrzosek. Global regularity versus infinite-time singularity formation in a chemotaxis model with volume-filling effect and degenerate diffusion. *SIAM Journal on Mathematical Analysis*, 44(5):3502–3525, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2015:GSS

[WWX15] Jiahong Wu, Yifei Wu, and Xiaojing Xu. Global small solution to the 2D MHD system with a velocity damping term. *SIAM Journal on Mathematical Analysis*, 47(4):2630–2656, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2011:SLS

[WX11] Jing Wang and Feng Xie. Singular limit to strong contact discontinuity for a 1D compressible radiation hydrodynamics model. *SIAM Journal on Mathematical Analysis*, 43(3):1189–1204, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1189_s1`.

Wang:2012:PPQ

[WX12] Yang Wang and Zhiqiang Xu. The performance of PCM quantization under tight frame representations. *SIAM Journal on Mathematical Analysis*, 44(4):2802–2823, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2013:SSG

[WX13] Hao Wu and Xiang Xu. Strong solutions, global regularity, and stability of a hydrodynamic system modeling vesicle and fluid interactions. *SIAM Journal on Mathematical Analysis*, 45(1):181–214, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2015:GSS

[WX15] Chunpeng Wang and Zhouping Xin. Global smooth supersonic flows in infinite expanding nozzles. *SIAM Journal on Mathematical Analysis*, 47(4): 3151–3211, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2016:SCS

[WX16] Chunpeng Wang and Zhouping Xin. On sonic curves of smooth subsonic-sonic and transonic flows. *SIAM Journal on Mathematical Analysis*, 48(4):2414–2453, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2019:EFB

[WX19] Chunpeng Wang and Zhouping Xin. On an elliptic free boundary problem and subsonic jet flows for a given surrounding pressure. *SIAM Journal on Mathematical Analysis*, 51(2): 1014–1045, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2015:LWP

[WXY15a] Ya-Guang Wang, Feng Xie, and Tong Yang. Local well-posedness of Prandtl equations for compressible flow in two space variables. *SIAM Journal on Mathematical Analysis*, 47(1):321–346, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2015:URV

[WXY15b] Yong Wang, Zhouping Xin, and Yan Yong. Uniform regularity and vanishing viscosity limit for the compressible Navier–Stokes with general Navier-slip boundary conditions in three-dimensional domains. *SIAM Journal on Mathematical Analysis*, 47(6): 4123–4191, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wei:2013:VRP

[WY13] Juncheng Wei and Jun Yang. Vortex ring pinning for the Gross–Pitaevskii equation in three-dimensional space. *SIAM Journal on Mathematical Analysis*, 44(6):3991–4047, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2015:SSS

[WY15] Ya-Guang Wang and Fang Yu. Structural stability of supersonic contact discontinuities in three-dimensional compressible steady flows. *SIAM Journal on Mathematical Analysis*, 47(2):1291–1329, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2013:IRC

[WZ13a] Wendong Wang and Zhifei Zhang. On the interior regularity criteria for suitable weak solutions of the magnetohydrodynamics equations. *SIAM Journal on Mathematical Analysis*, 45(5): 2666–2677, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wen:2013:GCL

[WZ13b] Huanyao Wen and Changjiang Zhu. Global classical large solutions to Navier–Stokes equations for viscous compressible and heat-conducting fluids with vacuum. *SIAM Journal on Mathematical Analysis*, 45(2):431–468, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2016:DSH

[WZ16] Feng-Yu Wang and Xicheng Zhang. Degenerate SDE with Hölder–Dini drift and non-Lipschitz noise coefficient. *SIAM Journal on Mathematical Analysis*, 48(3):2189–2226, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wen:2017:GST

[WZ17] Huanyao Wen and Changjiang Zhu. Global solutions to the three-dimensional full compressible Navier–Stokes equations with vacuum at infinity in some classes of large data. *SIAM Journal on Mathematical Analysis*, 49(1): 162–221, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2015:RDL

[WZZ15] Wei Wang, Pingwen Zhang, and Zhifei Zhang. Rigorous derivation from Landau–de Gennes theory to Ericksen–Leslie theory. *SIAM Journal on Mathematical Analysis*, 47 (1):127–158, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xu:2011:GCS

[Xu11] Jiang Xu. Global classical solutions to the compressible Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 43(6): 2688–2718, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2688_s1`.

Xu:2016:CRG

[Xu16] Qiang Xu. Convergence rates for general elliptic homogenization problems in Lipschitz domains. *SIAM Journal on Mathematical Analysis*, 48(6): 3742–3788, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xu:2018:ETC

[Xu18] Xiangsheng Xu. Existence theorems for a crystal surface model involving the p-Laplace operator. *SIAM Journal on Mathematical Analysis*, 50(4): 4261–4281, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xia:2010:TDM

[XV10] Qinglan Xia and Anna Vershynina. On the transport dimension of measures. *SIAM Journal on Mathematical Analysis*, 41(6):2407–2430, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xie:2010:EGS

[XX10] Chunjing Xie and Zhouping Xin. Existence of global steady subsonic Euler flows through infinitely long nozzles. *SIAM Journal on Mathematical Analysis*, 42(2):751–784, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xu:2013:GWP

[XXK13] Jiang Xu, Jun Xiong, and Shuichi Kawashima. Global well-posedness in critical Besov spaces for two-fluid Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 45(3):1422–1447, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xin:2014:AGR

[XY14] Jack Xin and Yifeng Yu. Asymptotic growth rates and strong bending of turbulent flame speeds of G-equation in steady two-dimensional incompressible periodic flows. *SIAM Journal on Mathematical Analysis*, 46(4):2444–2467, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xie:2018:GTS

[XY18] Feng Xie and Tong Yang. Global-in-time stability of 2D MHD boundary layer in the Prandtl–Hartmann regime. *SIAM Journal on Mathematical Analysis*, 50(6):5749–5760, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xu:2018:RDB

[XYD18] Jieren Xu, Haizhao Yang, and Ingrid Daubechies. Recursive diffeomorphism-based regression for shape functions. *SIAM Journal on Mathematical Analysis*, 50(1):5–32, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xin:2019:ASS

[XYY19] Zhouping Xin, Qian Yuan, and Yuan Yuan. Asymptotic stability of shock waves and rarefaction waves under periodic perturbations for 1-D convex scalar conservation laws. *SIAM Journal on Mathematical Analysis*, 51(4): 2971–2994, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xin:2016:POA

[XYZ16] Jack Xin, Yifeng Yu, and Andrej Zlatos. Periodic orbits of the ABC flow with $A = B = C = 1$. *SIAM Journal on Mathematical Analysis*, 48(6): 4087–4093, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xu:2015:GSS

[XZ15] Li Xu and Ping Zhang. Global small solutions to three-dimensional incompressible magnetohydrodynamical system. *SIAM Journal on Mathematical Analysis*, 47(1): 26–65, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xu:2010:ASC

[XZL10] Xiang Xu, Liyun Zhao, and Chun Liu. Axisymmetric solutions to coupled Navier–Stokes/Allen–Cahn equations. *SIAM Journal on Mathematical Analysis*, 41(6):2246–2282, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yamamoto:2013:AES

[Yam13] Masakazu Yamamoto. Asymptotic expansion of solutions to the dissipative equation with fractional Laplacian. *SIAM Journal on Mathematical Analysis*, 44(6):3786–3805, ???? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [Yam16].

Yamamoto:2016:EAE

[Yam16] Masakazu Yamamoto. Erratum: Asymptotic Expansion of Solutions to the Dissipative Equation with Fractional Laplacian. *SIAM Journal on Mathematical Analysis*, 48(4): 3037–3038, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [Yam13].

Yao:2019:LST

[Yao19] Peng-Fei Yao. Linear strain tensors on hyperbolic surfaces and asymptotic theories for thin shells. *SIAM Journal on Mathematical Analysis*, 51(2): 1387–1435, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yi:2010:PSG

[YCW10] Taishan Yi, Yuming Chen, and Jianhong Wu. Periodic solutions and the global attractor in a system of delay differential equations. *SIAM Journal on Mathematical Analysis*, 42(1):24–63, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yannacopoulos:2011:WCS

[YFK11] Athanasios N. Yannacopoulos, Nikolaos E. Frangos, and Ioannis Karatzas. Wiener chaos solutions for linear backward stochastic evolution equations. *SIAM Journal on Mathematical Analysis*, 43(1): 68–113, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p68_s1`.

Yin:2010:AMH

[YMYC10] G. Yin, Xuerong Mao, Chenggui Yuan, and Dingzhou Cao. Approximation methods for hybrid diffusion systems with state-dependent switching processes: Numerical algorithms and existence and uniqueness of solutions. *SIAM Journal on Mathematical Analysis*, 41(6):2335–2352, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yoshida:2017:ABS

[Yos17] Natsumi Yoshida. Asymptotic behavior of solutions toward a multiwave pattern to the Cauchy problem for the scalar conservation law with the Ostwald–de Waele-type viscosity. *SIAM Journal on Mathematical Analysis*, 49(3): 2009–2036, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yoshida:2018:ABS

[Yos18] Natsumi Yoshida. Asymptotic behavior of solutions toward the viscous shock waves to the Cauchy problem for the scalar conservation law with nonlinear flux and viscosity. *SIAM Journal on Mathematical Analysis*, 50(1): 891–932, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ye:2011:GET

[YT11] J. Ye and S. Tanveer. Global existence for a translating near-circular Hele–Shaw bubble with surface tension. *SIAM Journal on Mathematical Analysis*, 43(1):457–506, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p457_s1`.

Yun:2015:EBM

[Yun15] Seok-Bae Yun. Ellipsoidal BGK model near a global Maxwellian. *SIAM Journal on Mathematical Analysis*, 47(3): 2324–2354, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yang:2010:GCS

[YY10] Tong Yang and Hongjun Yu. Global classical solutions for the Vlasov–Maxwell–Fokker–Planck system. *SIAM Journal on Mathematical Analysis*, 42 (1):459–488, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yang:2014:SCT

[YY14] Haizhao Yang and Lexing Ying. Synchrosqueezed curvelet transform for two-dimensional mode decomposition. *SIAM Journal on Mathematical Analysis*, 46(3): 2052–2083, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yang:2018:GSS

[YY18] Tong Yang and Hongjun Yu. Global solution for the spatially inhomogeneous non-cutoff Kac equation. *SIAM Journal on Mathematical Analysis*, 50(4):4503–4562, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yang:2014:EOV

[YZ14a] Yisong Yang and Ruifeng Zhang. Existence of optical vortices. *SIAM Journal on Mathematical Analysis*, 46(1): 484–498, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yuan:2014:LTS

[YZ14b] Xiaoping Yuan and Jing Zhang. Long time stability of Hamiltonian partial differential equations. *SIAM Journal on Mathematical Analysis*, 46(5):3176–3222, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yi:2015:ABS

[YZ15] Taishan Yi and Xingfu Zou. Asymptotic behavior, spreading speeds, and traveling waves of nonmonotone dynamical systems. *SIAM Journal on Mathematical Analysis*, 47(4):3005–3034, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yu:2016:SCE

[YZ16] Xiang Yu and Shiqing Zhang. Saari's conjecture for elliptical motions and minimizing solutions of the N-body problem. *SIAM Journal on Mathematical Analysis*, 48(1):

709–724, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yang:2018:GWP

[YZ18] Kailong Yang and Lifeng Zhao. Global well-posedness and scattering for mass-critical, defocusing, infinite dimensional vector-valued resonant nonlinear Schrödinger system. *SIAM Journal on Mathematical Analysis*, 50(2): 1593–1655, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yao:2010:EAB

[YZZ10] Lei Yao, Ting Zhang, and Changjiang Zhu. Existence and asymptotic behavior of global weak solutions to a 2D viscous liquid-gas two-phase flow model. *SIAM Journal on Mathematical Analysis*, 42(4): 1874–1897, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yao:2012:ILV

[YZZ12] Lei Yao, Changjiang Zhu, and Ruizhao Zi. Incompressible limit of viscous liquid-gas two-phase flow model. *SIAM Journal on Mathematical Analysis*, 44(5):3324–3345, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhu:2019:MIE

[ZBL19] Jiahui Zhu, Zdzisław Brzeźniak, and Wei Liu. Maximal inequalities and exponential estimates for stochastic convolutions driven by Lévy-type processes in Banach spaces with application to stochastic quasi-geostrophic equations. *SIAM Journal on Mathematical Analysis*, 51(3): 2121–2167, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2015:CCM

[ZCO15] Kewei Zhang, Elaine Crooks, and Antonio Orlando. Compensated convexity, multiscale medial axis maps and sharp regularity of the squared-distance function. *SIAM Journal on Mathematical Analysis*, 47(6):4289–4331, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2016:CCM

[ZCO16] Kewei Zhang, Elaine Crooks, and Antonio Orlando. Compensated convexity methods for approximations and interpolations of sampled functions in Euclidean spaces: Theoretical foundations. *SIAM Journal on Mathematical Analysis*, 48(6):4126–4154, ???? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2010:CFD

[ZF10] Ting Zhang and Daoyuan Fang. Compressible flows with a density-dependent viscosity coefficient. *SIAM Journal on Mathematical Analysis*, 41(6): 2453–2488, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2012:GES

[ZF12] Ting Zhang and Daoyuan Fang. Global existence of strong solution for equations related to the incompressible viscoelastic fluids in the critical L^p framework. *SIAM Journal on Mathematical Analysis*, 44(4):2266–2288, ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhan:2010:LSS

[ZH10] Wang Zhan and Yin Huicheng. Local structural stability of a multidimensional centered rarefaction wave for the three-dimensional steady supersonic Euler flow around a sharp corner. *SIAM Journal on Mathematical Analysis*, 42(4): 1639–1687, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2010:UCL

[Zha10] Kewei Zhang. On universal coercivity in linear elasticity. *SIAM Journal on Mathematical Analysis*, 42(1): 298–322, ???? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2014:FSK

[Zha14] Xicheng Zhang. Fundamental solution of kinetic Fokker–Planck operator with anisotropic nonlocal dissipativity. *SIAM Journal on Mathematical Analysis*, 46(3): 2254–2280, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2019:LSA

[Zha19] Katherine Zhiyuan Zhang. Linear stability analysis of the relativistic Vlasov–Maxwell system in an axisymmetric domain. *SIAM Journal on Mathematical Analysis*, 51(6): 4683–4723, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhigun:2019:GGS

[Zhi19] Anna Zhigun. Generalized global supersolutions with mass control for systems with taxis. *SIAM Journal on Mathematical Analysis*, 51(3): 2425–2443, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhou:2015:IRF

[Zho15] Wei Zhou. Interior regularity of fully nonlinear degenerate elliptic equations I: Bellman equations with constant coefficients. *SIAM Journal on Mathematical Analysis*, 47(3): 2375–2415, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhou:2018:LMR

[Zho18] Hanming Zhou. The local magnetic ray transform of tensor fields. *SIAM Journal on Mathematical Analysis*, 50(2): 1753–1778, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhu:2015:CSC

[Zhu15] Shengguo Zhu. On classical solutions of the compressible magnetohydrodynamic equations with vacuum. *SIAM Journal on Mathematical Analysis*, 47(4): 2722–2753, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zelati:2015:MPS

[ZK15] Michele Coti Zelati and Piotr Kalita. Minimality properties of set-valued processes and their pullback attractors. *SIAM Journal on Mathematical Analysis*, 47(2): 1530–1561, ???? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhu:2018:GCP

[ZLMZ18] Neng Zhu, Zhengrong Liu, Vincent R. Martinez, and Kun Zhao. Global Cauchy problem of a system of parabolic conservation laws arising from a Keller–Segel type chemotaxis model. *SIAM Journal on Mathematical Analysis*, 50(5): 5380–5425, ???? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zelati:2019:GSR

[ZN19] Vittorio Coti Zelati and Margherita Nolasco. Ground state for the relativistic one electron atom in a self-generated electromagnetic field. *SIAM Journal on Mathematical Analysis*, 51(3): 2206–2230, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zheng:2017:LWP

[ZT17] Yunrui Zheng and Ian Tice. Local well posedness of the near-equilibrium contact line problem in 2-dimensional Stokes flow. *SIAM Journal on Mathematical Analysis*, 49 (2):899–953, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2014:GWP

[ZZ14] Qian Zhang and Xiaoxin Zheng. Global well-posedness for the two-dimensional incompressible chemotaxis-Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 46(4):3078–3105, ???? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhao:2019:IIP

[ZZ19] Hongkai Zhao and Yimin Zhong. Instability of an inverse problem for the stationary radiative transport near the diffusion limit. *SIAM Journal on Mathematical Analysis*, 51(5):3750–3768, ???? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).