A Complete Bibliography of Publications in *Annals of Statistics (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: `http://www.math.utah.edu/~beebe/`

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References

Addario-Berry:2010:CTP

[ABBDL10] Louigi Addario-Berry, Nicolas Broutin, Luc Devroye, and Gábor Lugosi. On combinatorial testing problems. *Annals of Statistics*, 38(5):3063–3092, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1283175989`.

Albert:2015:BPT

[ABFRB15] Mélisande Albert, Yann Bouret, Magalie Fromont, and Patricia Reynaud-Bouret. Bootstrap and permutation tests of independence for point processes. *Annals of Statistics*, 43 (6):2537–2564, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1444222084`.

Arlot:2010:SNRa

[ABR10a] Sylvain Arlot, Gilles Blanchard, and Etienne Roquain. Some nonasymptotic results on resampling in high dimension, i: Confidence regions. *Annals of Statistics*, 38(1):51–82, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271609`.

Arlot:2010:SNRb

[ABR10b] Sylvain Arlot, Gilles Blanchard, and Etienne Roquain. Some nonasymptotic results on resampling in high dimension, II: Multiple tests. *Annals of Statistics*, 38(1):83–99, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271610`.

Aswani:2011:RME

[ABT11] Anil Aswani, Peter Bickel, and Claire Tomlin. Regression on manifolds: Estimation of the exterior derivative. *Annals of Statistics*, 39(1):48–81, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291388369`.

Audibert:2011:RLL

[AC11] Jean-Yves Audibert and Olivier Catoni. Robust linear least squares regression. *Annals of Statistics*, 39(5):2766–2794, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1324563355`.

Arias-Castro:2012:DC

[ACBL12] Ery Arias-Castro, Sébastien Bubeck, and Gábor Lugosi. Detection of correlations. *Annals of Statistics*, 40(1):412–435, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1334581748`.

Amini:2013:PLM

[ACBL13] Arash A. Amini, Aiyou Chen, Peter J. Bickel, and Elizaveta Levina. Pseudo-likelihood methods for community detection in large sparse networks. *Annals of Statistics*, 41 (4):2097–2122, August 2013. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1382547514`.

Arias-Castro:2011:DAC

[ACCD11] Ery Arias-Castro, Emmanuel J. Candès, and Arnaud Durand. Detection of an anomalous cluster in a network. *Annals of Statistics*, 39(1):278–304, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291388376`.

Arias-Castro:2011:GTU

[ACCP11] Ery Arias-Castro, Emmanuel J. Candès, and Yaniv Plan. Global testing under sparse alternatives: ANOVA, multiple comparisons and the higher criticism. *Annals of Statistics*, 39(5):2533–2556, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1322663467`.

Asgharian:2012:LSS

[ACF12] Masoud Asgharian, Marco Carone, and Vahid Fakoor. Large-sample study of the kernel density estimators under multiplicative censoring. *Annals of Statistics*, 40(1):159–187, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1331830778`.

Ando:2017:WRM

[AcL17] Tomohiro Ando and Ker chau Li. A weight-relaxed model averaging approach for high-dimensional generalized linear models. *Annals of Statistics*, 45(6):2654–2679, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Alquier:2019:EBS

[ACL19] Pierre Alquier, Vincent Cottet, and Guillaume Lecué. Estimation bounds and sharp oracle inequalities of regularized procedures with Lipschitz loss functions. *Annals of Statistics*, 47(4):2117–2144, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425641`.

Arias-Castro:2014:CDD

[ACV14] Ery Arias-Castro and Nicolas Verzelen. Community detection in dense random networks. *Annals of Statistics*, 42(3):940–969, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592648`.

Arias-Castro:2016:DIF

[ACV16] Ery Arias-Castro and Nicolas Verzelen. Discussion of "Influential features PCA for high dimensional clustering". *Annals of Statistics*, 44(6):2360–2365, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1479891618`. See [JW16a, JW16b].

Aronow:2014:SBV

[AGL14] Peter M. Aronow, Donald P. Green, and Donald K. K. Lee. Sharp bounds on the variance in randomized experiments. *Annals of Statistics*, 42(3):850–871, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592645`.

Aletti:2018:NCA

[AGR18] Giacomo Aletti, Andrea Ghiglietti, and William F. Rosenberger. Nonparametric covariate-adjusted response-adaptive design based on a functional urn model. *Annals of Statistics*, 46(6B):3838–3866, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536631292`.

Anevski:2017:EPM

[AGZ17] Dragi Anevski, Richard D. Gill, and Stefan Zohren. Estimating a probability mass function with unknown labels. *Annals of Statistics*, 45(6):2708–2735, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Akritas:2016:ATF

[Akr16] Michael G. Akritas. Asymptotic theory for the first projective direction. *Annals of Statistics*, 44(5):2161–2189, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1473685272`.

Aue:2011:ISU

[AL11] Alexander Aue and Thomas C. M. Lee. On image segmentation using information theoretic criteria. *Annals of Statistics*, 39(6):2912–2935, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1327413773.

Amini:2018:SRB

[AL18] Arash A. Amini and Elizaveta Levina. On semidefinite relaxations for the block model. *Annals of Statistics*, 46(1):149–179, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Aamari:2019:NRM

[AL19] Eddie Aamari and Clément Levrard. Nonasymptotic rates for manifold, tangent space and curvature estimation. *Annals of Statistics*, 47(1):177–204, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568586.

Anderes:2010:CSS

[And10] Ethan Anderes. On the consistent separation of scale and variance for Gaussian random fields. *Annals of Statistics*, 38(2):870–893, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586617.

Anonymous:2010:SPA

[Ano10] Anonymous. On some problems in the article efficient likelihood estimation in state space models. *Annals of Statistics*, 38(3):1936, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1271271283.

Anonymous:2016:EBa

[Ano16a] Anonymous. Editorial board. *Annals of Statistics*, 44(4):??, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894701.

Anonymous:2016:EBb

[Ano16b] Anonymous. Editorial board. *Annals of Statistics*, 44(5):??, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685256.

Anonymous:2016:EBc

[Ano16c] Anonymous. Editorial Board. *Annals of Statistics*, 44(6):??, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891616.

Anonymous:2016:TCa

[Ano16d] Anonymous. Table of contents. *Annals of Statistics*, 44(4): ??, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894700.

Anonymous:2016:TCb

[Ano16e] Anonymous. Table of contents. *Annals of Statistics*, 44(5):??, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685255.

Anonymous:2016:TCc

[Ano16f] Anonymous. Table of contents. *Annals of Statistics*, 44(6):??, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891615.

Anonymous:2017:EBd

[Ano17a] Anonymous. Editorial board. *Annals of Statistics*, 45(1):??, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667615.

Anonymous:2017:TCd

[Ano17b] Anonymous. Table of contents. *Annals of Statistics*, 45(1):??, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667614.

Agarwal:2012:FGC

[ANW12a] Alekh Agarwal, Sahand Negahban, and Martin J. Wainwright. Fast global convergence of gradient methods for high-dimensional statistical recovery. *Annals of Statistics*, 40(5):2452–2482, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1359987527`.

Agarwal:2012:NMD

[ANW12b] Alekh Agarwal, Sahand Negahban, and Martin J. Wainwright. Noisy matrix decomposition via convex relaxation: Optimal rates in high dimensions. *Annals of Statistics*, 40(2):1171–1197, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1342625465`.

Aston:2017:TSN

[APT17] John A. D. Aston, Davide Pigoli, and Shahin Tavakoli. Tests for separability in nonparametric covariance operators of random surfaces. *Annals of Statistics*, 45(4):1431–1461, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1498636862`.

Armstrong:2015:ATR

[Arm15] Timothy Armstrong. Adaptive testing on a regression function at a point. *Annals of Statistics*, 43(5):2086–2101, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1438606854`.

Anevski:2011:MSD

[AS11] Dragi Anevski and Philippe Soulier. Monotone spectral density estimation. *Annals of Statistics*, 39(1):418–438, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1297779852`.

Ait-Sahalia:2010:NTM

[ASFJ10] Yacine Aït-Sahalia, Jianqing Fan, and Jiancheng Jiang. Nonparametric tests of the Markov hypothesis in continuous-time models. *Annals of Statistics*, 38(5):3129–3163, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1284391760`.

Ait-Sahalia:2010:BMN

[ASJ10] Yacine Aït-Sahalia and Jean Jacod. Is Brownian motion necessary to model high-frequency data? *Annals of Statistics*, 38(5):3093–3128, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1284391759`.

Ait-Sahalia:2011:TWJ

[ASJ11] Yacine Aït-Sahalia and Jean Jacod. Testing whether jumps have finite or infinite activity. *Annals of Statistics*, 39 (3):1689–1719, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1311600280`.

Ait-Sahalia:2012:ISB

[ASJ12] Yacine Aït-Sahalia and Jean Jacod. Identifying the successive Blumenthal–Getoor indices of a discretely observed process. *Annals of Statistics*, 40(3):1430–1464, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1346850061`.

Adler:2012:RSS

[AST12] Robert J. Adler, Eliran Subag, and Jonathan E. Taylor. Rotation and scale space random fields and the Gaussian kinematic formula. *Annals of Statistics*, 40(6):2910–2942, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1360332188`.

Azizyan:2013:DSS

[ASW13] Martin Azizyan, Aarti Singh, and Larry Wasserman. Density-sensitive semisupervised inference. *Annals of Statistics*, 41(2):751–771, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1368018172`.

Atchade:2011:KEA

[Atc11] Yves F. Atchadé. Kernel estimators of asymptotic variance for adaptive Markov chain Monte Carlo. *Annals of Statistics*, 39(2):990–1011, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1302268084`.

Atchade:2017:CPS

[Atc17] Yves A. Atchadé. On the contraction properties of some high-dimensional quasi-posterior distributions. *Annals of Statistics*, 45(5):2248–2273, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Anandkumar:2012:HDS

[ATHW12] Animashree Anandkumar, Vincent Y. F. Tan, Furong Huang, and Alan S. Willsky. High-dimensional structure estimation in Ising models: Local separation criterion. *Annals of Statistics*, 40(3):1346–1375, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1344610586`.

Athey:2019:GRF

[ATW19] Susan Athey, Julie Tibshirani, and Stefan Wager. Generalized random forests. *Annals of Statistics*, 47(2):1148–1178, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197251`.

Anandkumar:2013:LLG

[AV13] Animashree Anandkumar and Ragupathyraj Valluvan. Learning loopy graphical models with latent variables: Efficient methods and guarantees. *Annals of Statistics*, 41(2):401–435, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1366138196`.

Amini:2012:SFF

[AW12] Arash A. Amini and Martin J. Wainwright. Sampled forms of functional PCA in reproducing kernel Hilbert spaces. *Annals of Statistics*, 40(5):2483–2510, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1359987528`.

Antognini:2012:MOO

[AZ12] Alessandro Baldi Antognini and Maroussa Zagoraiou. Multi-objective optimal designs in comparative clinical trials with covariates: The reinforced doubly adaptive biased coin design. *Annals of Statistics*, 40(3):1315–1345, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1344610585`.

Bacallado:2011:BAV

[Bac11] Sergio Bacallado. Bayesian analysis of variable-order, reversible Markov chains. *Annals of Statistics*, 39(2):838–864, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1299680956`.

Bao:2019:TWL

[Bao19] Zhigang Bao. Tracy–Widom limit for Kendall's tau. *Annals of Statistics*, 47(6):3504–3532, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1572487401`.

Brien:2010:DTE

[BB10] C. J. Brien and R. A. Bailey. Decomposition tables for experiments. II. two–one randomizations. *Annals of Statistics*, 38(5):3164–3190, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1284391761`.

Buja:2014:DST

[BB14] A. Buja and L. Brown. Discussion: "A significance test for the lasso". *Annals of Statistics*, 42(2):509–517, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592167`. See [LTTT14c].

Bhattacharyya:2015:SBC

[BB15] Sharmodeep Bhattacharyya and Peter J. Bickel. Subsampling bootstrap of count features of networks. *Annals of Statistics*, 43(6):2384–2411, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1444222079`.

Bailey:2016:RBM

[BB16a] R. A. Bailey and C. J. Brien. Randomization-based models for multitiered experiments: I. A chain of randomizations. *Annals of Statistics*, 44(3):1131–1164, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381689.

Bhattacharjee:2016:LSB

[BB16b] Monika Bhattacharjee and Arup Bose. Large sample behaviour of high dimensional autocovariance matrices. *Annals of Statistics*, 44(2):598–628, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245729.

Baraud:2018:RER

[BB18a] Yannick Baraud and Lucien Birgé. Rho-estimators revisited: General theory and applications. *Annals of Statistics*, 46 (6B):3767–3804, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631290.

Berghaus:2018:WCP

[BB18b] Betina Berghaus and Axel Bücher. Weak convergence of a pseudo maximum likelihood estimator for the extremal index. *Annals of Statistics*, 46(5):2307–2335, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1534492837.

Berk:2013:VPS

[BBB+13] Richard Berk, Lawrence Brown, Andreas Buja, Kai Zhang, and Linda Zhao. Valid post-selection inference. *Annals of Statistics*, 41(2):802–837, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1369836961.

Bayarri:2012:CBM

[BBFGD12] M. J. Bayarri, J. O. Berger, A. Forte, and G. García-Donato. Criteria for Bayesian model choice with application to variable selection. *Annals of Statistics*, 40(3):1550–1577, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1346850065.

Bali:2011:RFP

[BBTW11] Juan Lucas Bali, Graciela Boente, David E. Tyler, and Jane-Ling Wang. Robust functional principal components: A projection-pursuit approach. *Annals of Statistics*, 39

(6):2852–2882, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1327413771`.

Belloni:2011:SPQ

[BC11a] Alexandre Belloni and Victor Chernozhukov. ℓ_1-penalized quantile regression in high-dimensional sparse models. *Annals of Statistics*, 39(1):82–130, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291388370`.

Buhlmann:2011:ILS

[BC11b] Peter Bühlmann and Tony Cai. Introduction to the Lehmann special section. *Annals of Statistics*, 39(5):2243, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1321020522`.

Barber:2015:CFD

[BC15] Rina Foygel Barber and Emmanuel J. Candès. Controlling the false discovery rate via knockoffs. *Annals of Statistics*, 43(5):2055–2085, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1438606853`.

Barber:2019:KFH

[BC19] Rina Foygel Barber and Emmanuel J. Candès. A knockoff filter for high-dimensional selective inference. *Annals of Statistics*, 47(5):2504–2537, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797855`.

Belloni:2018:UVP

[BCCW18] Alexandre Belloni, Victor Chernozhukov, Denis Chetverikov, and Ying Wei. Uniformly valid post-regularization confidence regions for many functional parameters in z-estimation framework. *Annals of Statistics*, 46(6B):3643–3675, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536631286`.

Bickel:2013:ANM

[BCCZ13] Peter Bickel, David Choi, Xiangyu Chang, and Hai Zhang. Asymptotic normality of maximum likelihood and its variational approximation for stochastic blockmodels. *Annals of Statistics*, 41(4):1922–1943, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1382547508.

Binev:2014:CAU

[BCDD14] Peter Binev, Albert Cohen, Wolfgang Dahmen, and Ronald DeVore. Classification algorithms using adaptive partitioning. *Annals of Statistics*, 42(6):2141–2163, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1413810724.

Bai:2018:CAB

[BCF18a] Zhidong Bai, Kwok Pui Choi, and Yasunori Fujikoshi. Consistency of AIC and BIC in estimating the number of significant components in high-dimensional principal component analysis. *Annals of Statistics*, 46(3):1050–1076, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1525313075.

Bai:2018:LBE

[BCF18b] Zhidong Bai, Kwok Pui Choi, and Yasunori Fujikoshi. Limiting behavior of eigenvalues in high-dimensional MANOVA via RMT. *Annals of Statistics*, 46(6A):2985–3013, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307240.

Bogdan:2011:ABO

[BCFG11] Małgorzata Bogdan, Arijit Chakrabarti, Florian Frommlet, and Jayanta K. Ghosh. Asymptotic Bayes-optimality under sparsity of some multiple testing procedures. *Annals of Statistics*, 39(3):1551–1579, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1307452128.

Bickel:2011:MMD

[BCL11] Peter J. Bickel, Aiyou Chen, and Elizaveta Levina. The method of moments and degree distributions for network models. *Annals of Statistics*, 39(5):2280–2301, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1321020525.

Biau:2010:SAK

[BCR10] Gérard Biau, Benoît Cadre, and Laurent Rouvière. Statistical analysis of k-nearest neighbor collaborative recommendation. *Annals of Statistics*, 38(3):1568–1592, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1269452647.

Belloni:2014:PES

[BCW14] Alexandre Belloni, Victor Chernozhukov, and Lie Wang. Pivotal estimation via square-root Lasso in nonparametric regression. *Annals of Statistics*, 42(2):757–788, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592177.

Brown:2010:NRE

[BCZ10] Lawrence D. Brown, T. Tony Cai, and Harrison H. Zhou. Nonparametric regression in exponential families. *Annals of Statistics*, 38(4):2005–2046, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861241.

Bickel:2015:CPC

[BCZ+15] Peter J. Bickel, Aiyou Chen, Yunpeng Zhao, Elizaveta Levina, and Ji Zhu. Correction to the proof of consistency of community detection. *Annals of Statistics*, 43(1):462–466, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1423230086.

Buta:2011:CAE

[BD11] Eugenia Buta and Hani Doss. Computational approaches for empirical Bayes methods and Bayesian sensitivity analysis. *Annals of Statistics*, 39(5):2658–2685, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1324563351.

Braess:2013:ODD

[BD13] Dietrich Braess and Holger Dette. Optimal discriminating designs for several competing regression models. *Annals of Statistics*, 41(2):897–922, April 2013. CODEN ASTSC7.

ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1369836964`.

Bailey:2014:OCD

[BD14] R. A. Bailey and P. Druilhet. Optimal cross-over designs for full interaction models. *Annals of Statistics*, 42(6):2282–2300, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1413810728`.

Byrne:2015:SMG

[BD15] Simon Byrne and A. Philip Dawid. Structural Markov graph laws for Bayesian model uncertainty. *Annals of Statistics*, 43(4):1647–1681, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1434546218`.

Brockwell:2010:SIM

[BDD10] Anthony Brockwell, Pierre Del Moral, and Arnaud Doucet. Sequentially interacting Markov chain Monte Carlo methods. *Annals of Statistics*, 38(6):3387–3411, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126961`.

Bodnar:2019:TIL

[BDP19] Taras Bodnar, Holger Dette, and Nestor Parolya. Testing for independence of large dimensional vectors. *Annals of Statistics*, 47(5):2977–3008, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797870`.

Banerjee:2019:DCN

[BDS19] Moulinath Banerjee, Cécile Durot, and Bodhisattva Sen. Divide and conquer in nonstandard problems and the super-efficiency phenomenon. *Annals of Statistics*, 47(2):720–757, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197236`.

Bucher:2011:NEP

[BDV11] Axel Bücher, Holger Dette, and Stanislav Volgushev. New estimators of the Pickands dependence function and a test for extreme-value dependence. *Annals of Statistics*, 39

(4):1963–2006, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1314190620`.

Belomestny:2010:SEF

[Bel10] Denis Belomestny. Spectral estimation of the fractional order of a Lévy process. *Annals of Statistics*, 38(1):317–351, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271617`.

Belomestny:2011:SIT

[Bel11] Denis Belomestny. Statistical inference for time-changed Lévy processes via composite characteristic function estimation. *Annals of Statistics*, 39(4):2205–2242, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1319595463`.

Belitser:2017:CLR

[Bel17] Eduard Belitser. On coverage and local radial rates of credible sets. *Annals of Statistics*, 45(3):1124–1151, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1497319690`.

Bellec:2018:OBA

[Bel18a] Pierre C. Bellec. Optimal bounds for aggregation of affine estimators. *Annals of Statistics*, 46(1):30–59, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Bellec:2018:SOI

[Bel18b] Pierre C. Bellec. Sharp oracle inequalities for least squares estimators in shape restricted regression. *Annals of Statistics*, 46(2):745–780, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1522742435`.

Bercu:2012:RMP

[BF12] Bernard Bercu and Philippe Fraysse. A Robbins–Monro procedure for estimation in semiparametric regression models. *Annals of Statistics*, 40(2):666–693, April 2012. CO-

DEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1337268208`.

Brouste:2018:LAN

[BF18] Alexandre Brouste and Masaaki Fukasawa. Local asymptotic normality property for fractional Gaussian noise under high-frequency observations. *Annals of Statistics*, 46 (5):2045–2061, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492828`.

Bevilacqua:2019:EPU

[BFFP19] Moreno Bevilacqua, Tarik Faouzi, Reinhard Furrer, and Emilio Porcu. Estimation and prediction using generalized Wendland covariance functions under fixed domain asymptotics. *Annals of Statistics*, 47(2):828–856, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197240`.

Bradic:2011:RCP

[BFJ11] Jelena Bradic, Jianqing Fan, and Jiancheng Jiang. Regularization for Cox's proportional hazards model with NP-dimensionality. *Annals of Statistics*, 39(6):3092–3120, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1327672847`.

Battey:2018:DTE

[BFL$^+$18] Heather Battey, Jianqing Fan, Han Liu, Junwei Lu, and Ziwei Zhu. Distributed testing and estimation under sparse high dimensional models. *Annals of Statistics*, 46(3):1352–1382, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1525313085`.

Bierkens:2019:ZZP

[BFR19] Joris Bierkens, Paul Fearnhead, and Gareth Roberts. The Zig–Zag process and super-efficient sampling for Bayesian analysis of big data. *Annals of Statistics*, 47(3):1288–1320, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1550026838`.

Bacallado:2013:BNA

[BFT13] Sergio Bacallado, Stefano Favaro, and Lorenzo Trippa. Bayesian nonparametric analysis of reversible Markov chains. *Annals of Statistics*, 41(2):870–896, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1369836963`.

Bigot:2010:DAE

[BG10] Jérémie Bigot and Sébastien Gadat. A deconvolution approach to estimation of a common shape in a shifted curves model. *Annals of Statistics*, 38(4):2422–2464, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1278861253`.

Bigot:2013:MPF

[BG13] Jérémie Bigot and Xavier Gendre. Minimax properties of Fréchet means of discretely sampled curves. *Annals of Statistics*, 41(2):923–956, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1369836965`.

Bochkina:2014:BMT

[BG14] Natalia A. Bochkina and Peter J. Green. The Bernstein–von Mises theorem and nonregular models. *Annals of Statistics*, 42(5):1850–1878, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1410440627`.

Botev:2010:KDE

[BGK10] Z. I. Botev, J. F. Grotowski, and D. P. Kroese. Kernel density estimation via diffusion. *Annals of Statistics*, 38(5):2916–2957, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1281964340`.

Butucea:2018:LAE

[BGN18] Cristina Butucea, Mădălin Guţă, and Michael Nussbaum. Local asymptotic equivalence of pure states ensembles and quantum Gaussian white noise. *Annals of Statistics*, 46(6B):3676–3706, December 2018. CODEN ASTSC7. ISSN

0090-5364. URL http://projecteuclid.org/euclid.aos/1536631287.

Belitser:2012:OTS

[BGvZ12] Eduard Belitser, Subhashis Ghosal, and Harry van Zanten. Optimal two-stage procedures for estimating location and size of the maximum of a multivariate regression function. *Annals of Statistics*, 40(6):2850–2876, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1360332186. See correction [BGvZ21].

Belitser:2021:CNS

[BGvZ21] Eduard Belitser, Subhashis Ghosal, and Harry van Zanten. Correction note: "Optimal two-stage procedures for estimating location and size of the maximum of a multivariate regression function" ann. statist. 40 (2012) 2850-2876. *Annals of Statistics*, 49(1):612–613, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Correction-note--Optimal-two-stage-procedures-for-estimating-location/10.1214/20-AOS1993.full. See [BGvZ12].

Behr:2018:MBS

[BHM18] Merle Behr, Chris Holmes, and Axel Munk. Multiscale blind source separation. *Annals of Statistics*, 46(2):711–744, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1522742434.

Bibinger:2014:EQC

[BHMR14] Markus Bibinger, Nikolaus Hautsch, Peter Malec, and Markus Reiß. Estimating the quadratic covariation matrix from noisy observations: Local method of moments and efficiency. *Annals of Statistics*, 42(4):1312–1346, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1403715202.

Bao:2019:CCC

[BHPZ19] Zhigang Bao, Jiang Hu, Guangming Pan, and Wang Zhou. Canonical correlation coefficients of high-dimensional Gaussian vectors: Finite rank case. *Annals of Statistics*, 47(1):612–

640, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568600.

Brownlees:2015:ERM

[BJL15] Christian Brownlees, Emilien Joly, and Gábor Lugosi. Empirical risk minimization for heavy-tailed losses. *Annals of Statistics*, 43(6):2507–2536, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1444222083.

Birnbaum:2013:MBS

[BJNP13] Aharon Birnbaum, Iain M. Johnstone, Boaz Nadler, and Debashis Paul. Minimax bounds for sparse PCA with noisy high-dimensional data. *Annals of Statistics*, 41(3):1055–1084, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1371150893.

Bonhomme:2016:EML

[BJR16] Stéphane Bonhomme, Koen Jochmans, and Jean-Marc Robin. Estimating multivariate latent-structure models. *Annals of Statistics*, 44(2):540–563, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245727.

Bibinger:2017:NCP

[BJV17] Markus Bibinger, Moritz Jirak, and Mathias Vetter. Nonparametric change-point analysis of volatility. *Annals of Statistics*, 45(4):1542–1578, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1498636866.

Bickel:2012:SBM

[BK12] P. J. Bickel and B. J. K. Kleijn. The semiparametric Bernstein–von Mises theorem. *Annals of Statistics*, 40 (1):206–237, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1333029963.

Barber:2018:RRB

[BK18] Rina Foygel Barber and Mladen Kolar. ROCKET: Robust confidence intervals via Kendall's tau for transelliptical graphical models. *Annals of Statistics*, 46(6B):3422–3450, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631279.

Bauer:2019:DLR

[BK19] Benedikt Bauer and Michael Kohler. On deep learning as a remedy for the curse of dimensionality in nonparametric regression. *Annals of Statistics*, 47(4):2261–2285, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1558425645.

Bertsimas:2016:BSS

[BKM16] Dimitris Bertsimas, Angela King, and Rahul Mazumder. Best subset selection via a modern optimization lens. *Annals of Statistics*, 44(2):813–852, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245736.

Bottcher:2019:DMN

[BKRS19] Björn Böttcher, Martin Keller-Ressel, and René L. Schilling. Distance multivariance: New dependence measures for random vectors. *Annals of Statistics*, 47(5):2757–2789, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1564797863.

Bai:2012:SAF

[BL12] Jushan Bai and Kunpeng Li. Statistical analysis of factor models of high dimension. *Annals of Statistics*, 40 (1):436–465, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1334581749.

Bai:2014:TMP

[BL14] Jushan Bai and Kunpeng Li. Theory and methods of panel data models with interactive effects. *Annals of Statistics*, 42(1):142–170, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1392733183.

Bandyopadhyay:2015:FDE

[BLN15] Soutir Bandyopadhyay, Soumendra N. Lahiri, and Daniel J. Nordman. A frequency domain empirical likelihood method for irregularly spaced spatial data. *Annals of Statistics*, 43(2):519–545, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1424787427.

Bachoc:2019:VCI

[BLP19] François Bachoc, Hannes Leeb, and Benedikt M. Pötscher. Valid confidence intervals for post-model-selection predictors. *Annals of Statistics*, 47(3):1475–1504, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026846.

Bao:2015:SSL

[BLPZ15] Zhigang Bao, Liang-Ching Lin, Guangming Pan, and Wang Zhou. Spectral statistics of large dimensional Spearman's rank correlation matrix and its application. *Annals of Statistics*, 43(6):2588–2623, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1444222086.

Boistard:2017:FCL

[BLRG17] Hélène Boistard, Hendrik P. Lopuhaä, and Anne Ruiz-Gazen. Functional central limit theorems for single-stage sampling designs. *Annals of Statistics*, 45(4):1728–1758, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1498636872.

Bellec:2018:SML

[BLT18] Pierre C. Bellec, Guillaume Lecué, and Alexandre B. Tsybakov. Slope meets Lasso: Improved oracle bounds and optimality. *Annals of Statistics*, 46(6B):3603–3642, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631285.

Bertsimas:2014:LQR

[BM14] Dimitris Bertsimas and Rahul Mazumder. Least quantile regression via modern optimization. *Annals of Statistics*, 42(6):2494–2525, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1415801781.

Basu:2015:RES

[BM15] Sumanta Basu and George Michailidis. Regularized estimation in sparse high-dimensional time series models. *Annals of Statistics*, 43(4):1535–1567, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546214.

Basu:2017:ANS

[BM17] Kinjal Basu and Rajarshi Mukherjee. Asymptotic normality of scrambled geometric net quadrature. *Annals of Statistics*, 45(4):1759–1788, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1498636873.

Bruna:2015:IPA

[BMBM15] Joan Bruna, Stéphane Mallat, Emmanuel Bacry, and Jean-François Muzy. Intermittent process analysis with scattering moments. *Annals of Statistics*, 43(1):323–351, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1423230082.

Buhlmann:2014:DST

[BMvdG14] Peter Bühlmann, Lukas Meier, and Sara van de Geer. Discussion: "A significance test for the lasso". *Annals of Statistics*, 42(2):469–477, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592162. See [LTTT14c].

Brown:2018:EBE

[BMW18] Lawrence D. Brown, Gourab Mukherjee, and Asaf Weinstein. Empirical Bayes estimates for a two-way cross-classified model. *Annals of Statistics*, 46(4):1693–1720, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086430.

Butucea:2018:VSH

[BNST18] Cristina Butucea, Mohamed Ndaoud, Natalia A. Stepanova, and Alexandre B. Tsybakov. Variable selection with Hamming loss. *Annals of Statistics*, 46(5):1837–1875, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1534492821.

Belloni:2017:AGC

[BO17] Alexandre Belloni and Roberto I. Oliveira. Approximate group context tree. *Annals of Statistics*, 45(1):355–385, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667626.

Bobkov:2019:KTE

[Bob19] Sergey G. Bobkov. Khinchine's theorem and Edgeworth approximations for weighted sums. *Annals of Statistics*, 47(3):1616–1633, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026851.

Bontemps:2011:BMT

[Bon11] Dominique Bontemps. Bernstein–von Mises theorems for Gaussian regression with increasing number of regressors. *Annals of Statistics*, 39(5):2557–2584, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1322663468.

Bowsher:2010:SKM

[Bow10] Clive G. Bowsher. Stochastic kinetic models: Dynamic independence, modularity and graphs. *Annals of Statistics*, 38(4):2242–2281, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861248.

Bhattacharya:2014:AFE

[BPD14] Anirban Bhattacharya, Debdeep Pati, and David Dunson. Anisotropic function estimation using multi-bandwidth Gaussian processes. *Annals of Statistics*, 42(1):352–381, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1395234981.

Buhlmann:2014:CCA

[BPE14] Peter Bühlmann, Jonas Peters, and Jan Ernest. CAM: Causal additive models, high-dimensional order search and penalized regression. *Annals of Statistics*, 42(6):2526–2556, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1415801782.

Bhattacharya:2019:BFP

[BPY19] Anirban Bhattacharya, Debdeep Pati, and Yun Yang. Bayesian fractional posteriors. *Annals of Statistics*, 47(1):39–66, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568581.

Bao:2015:ULE

[BPZ15] Zhigang Bao, Guangming Pan, and Wang Zhou. Universality for the largest eigenvalue of sample covariance matrices with general population. *Annals of Statistics*, 43(1):382–421, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1423230084.

Bi:2018:MTF

[BQS18] Xuan Bi, Annie Qu, and Xiaotong Shen. Multilayer tensor factorization with applications to recommender systems. *Annals of Statistics*, 46(6B):3308–3333, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631275.

Berthet:2013:ODS

[BR13] Quentin Berthet and Philippe Rigollet. Optimal detection of sparse principal components in high dimension. *Annals of Statistics*, 41(4):1780–1815, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1378386239.

Berthet:2019:ERI

[BRS19] Quentin Berthet, Philippe Rigollet, and Piyush Srivastava. Exact recovery in the Ising blockmodel. *Annals of Statistics*, 47(4):1805–1834, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1558425631.

Bhaskar:2014:DRS

[BS14] Anand Bhaskar and Yun S. Song. Descartes' rule of signs and the identifiability of population demographic models from genomic variation data. *Annals of Statistics*, 42(6):2469–2493, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1413810735`.

Bucher:2014:WUW

[BSV14] Axel Bücher, Johan Segers, and Stanislav Volgushev. When uniform weak convergence fails: Empirical processes for dependence functions and residuals via epi- and hypographs. *Annals of Statistics*, 42(4):1598–1634, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1407420010`.

Bunea:2011:OSR

[BSW11] Florentina Bunea, Yiyuan She, and Marten H. Wegkamp. Optimal selection of reduced rank estimators of high-dimensional matrices. *Annals of Statistics*, 39(2):1282–1309, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1304947051`.

Bunea:2012:JVR

[BSW12] Florentina Bunea, Yiyuan She, and Marten H. Wegkamp. Joint variable and rank selection for parsimonious estimation of high-dimensional matrices. *Annals of Statistics*, 40 (5):2359–2388, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1359987524`.

Berrett:2019:EME

[BSY19] Thomas B. Berrett, Richard J. Samworth, and Ming Yuan. Efficient multivariate entropy estimation via k-nearest neighbour distances. *Annals of Statistics*, 47(1):288–318, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1543568589`.

Bai:2017:VRM

[BT17] Shuyang Bai and Murad S. Taqqu. On the validity of resampling methods under long memory. *Annals of Statistics*, 45(6):2365–2399, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Bien:2013:LHI

[BTT13] Jacob Bien, Jonathan Taylor, and Robert Tibshirani. A lasso for hierarchical interactions. *Annals of Statistics*, 41(3):1111–

1141, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1371150895.

Bunea:2010:SMM

[BTWB10] Florentina Bunea, Alexandre B. Tsybakov, Marten H. Wegkamp, and Adrian Barbu. SPADES and mixture models. *Annals of Statistics*, 38(4):2525–2558, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861256.

Bull:2013:SAS

[Bul13] Adam D. Bull. Spatially-adaptive sensing in nonparametric regression. *Annals of Statistics*, 41(1):41–62, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1362493039.

Bull:2014:ETC

[Bul14] Adam D. Bull. Estimating time-changes in noisy Lévy models. *Annals of Statistics*, 42(5):2026–2057, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1410440633.

Bull:2016:NOE

[Bul16] Adam D. Bull. Near-optimal estimation of jump activity in semimartingales. *Annals of Statistics*, 44(1):58–86, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1449755957.

Bull:2017:SDG

[Bul17] Adam D. Bull. Semimartingale detection and goodness-of-fit tests. *Annals of Statistics*, 45(3):1254–1283, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1497319694.

Bucher:2013:NIL

[BV13] Axel Bücher and Mathias Vetter. Nonparametric inference on Lévy measures and copulas. *Annals of Statistics*, 41(3):1485–1515, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1375362557`.

Belloni:2011:MQU

[BW11] Alexandre Belloni and Robert L. Winkler. On multivariate quantiles under partial orders. *Annals of Statistics*, 39(2):1125–1179, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1304947046`.

Balakrishnan:2019:HTD

[BW19a] Sivaraman Balakrishnan and Larry Wasserman. Hypothesis testing for densities and high-dimensional multinomials: Sharp local minimax rates. *Annals of Statistics*, 47 (4):1893–1927, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425634`.

Bing:2019:AER

[BW19b] Xin Bing and Marten H. Wegkamp. Adaptive estimation of the rank of the coefficient matrix in high-dimensional multivariate response regression models. *Annals of Statistics*, 47(6):3157–3184, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1572487389`.

Balakrishnan:2017:SGE

[BWY17] Sivaraman Balakrishnan, Martin J. Wainwright, and Bin Yu. Statistical guarantees for the EM algorithm: From population to sample-based analysis. *Annals of Statistics*, 45(1):77–120, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1487667618`.

Bathia:2010:IFD

[BYZ10] Neil Bathia, Qiwei Yao, and Flavio Ziegelmann. Identifying the finite dimensionality of curve time series. *Annals of Statistics*, 38(6):3352–3386, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126960`.

Cuesta-Albertos:2019:GFT

[CAGPFBGM19] Juan A. Cuesta-Albertos, Eduardo García-Portugués, Manuel Febrero-Bande, and Wenceslao González-Manteiga. Goodness-of-fit tests for the functional linear model based on randomly projected empirical processes. *Annals of Statistics*, 47(1):439–467, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568594.

Castillo:2014:BSN

[Cas14] Ismaël Castillo. On Bayesian supremum norm contraction rates. *Annals of Statistics*, 42(5):2058–2091, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1410440634.

Castillo:2015:DFC

[Cas15] Ismaël Castillo. Discussion of "Frequentist coverage of adaptive nonparametric Bayesian credible sets". *Annals of Statistics*, 43(4):1437–1443, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546207. See [SvdVvZ15a].

Chang:2011:AML

[CC11] Jinyuan Chang and Song Xi Chen. On the approximate maximum likelihood estimation for diffusion processes. *Annals of Statistics*, 39(6):2820–2851, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1327413770.

Chakraborty:2017:THD

[CC17] Anirvan Chakraborty and Probal Chaudhuri. Tests for high-dimensional data based on means, spatial signs and spatial ranks. *Annals of Statistics*, 45(2):771–799, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1494921957.

Chakrabortty:2018:EAL

[CC18a] Abhishek Chakrabortty and Tianxi Cai. Efficient and adaptive linear regression in semi-supervised settings. *Annals of Statistics*, 46(4):1541–1572, August 2018. CODEN ASTSC7.

ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086425.

Chang:2018:BAS

[CC18b] Ming-Chung Chang and Ching-Shui Cheng. A Bayesian approach to the selection of two-level multi-stratum factorial designs. *Annals of Statistics*, 46(4):1779–1806, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086433.

Chu:2019:ADF

[CC19] Lynna Chu and Hao Chen. Asymptotic distribution-free change-point detection for multivariate and non-Euclidean data. *Annals of Statistics*, 47(1):382–414, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568592.

Chang:2019:SAG

[CCC19] Ming-Chung Chang, Shao-Wei Cheng, and Ching-Shui Cheng. Signal aliasing in Gaussian random fields for experiments with qualitative factors. *Annals of Statistics*, 47(2):909–935, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1547197243.

Cholaquidis:2014:PCP

[CCF14] Alejandro Cholaquidis, Antonio Cuevas, and Ricardo Fraiman. On Poincaré cone property. *Annals of Statistics*, 42(1):255–284, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1395234978.

Carlier:2016:VQR

[CCG16] Guillaume Carlier, Victor Chernozhukov, and Alfred Galichon. Vector quantile regression: An optimal transport approach. *Annals of Statistics*, 44(3):1165–1192, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381690.

Cardot:2017:OEG

[CCGB17] Hervé Cardot, Peggy Cénac, and Antoine Godichon-Baggioni. Online estimation of the geometric median in

Hilbert spaces: Nonasymptotic confidence balls. *Annals of Statistics*, 45(2):591–614, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1494921951`.

Chernozhukov:2013:GAM

[CCK13] Victor Chernozhukov, Denis Chetverikov, and Kengo Kato. Gaussian approximations and multiplier bootstrap for maxima of sums of high-dimensional random vectors. *Annals of Statistics*, 41(6):2786–2819, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1387313390`.

Chernozhukov:2014:ACH

[CCK14a] Victor Chernozhukov, Denis Chetverikov, and Kengo Kato. Anti-concentration and honest, adaptive confidence bands. *Annals of Statistics*, 42(5):1787–1818, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1410440625`.

Chernozhukov:2014:GAS

[CCK14b] Victor Chernozhukov, Denis Chetverikov, and Kengo Kato. Gaussian approximation of suprema of empirical processes. *Annals of Statistics*, 42(4):1564–1597, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1407420009`.

Collier:2017:MEL

[CCT17] Olivier Collier, Laëtitia Comminges, and Alexandre B. Tsybakov. Minimax estimation of linear and quadratic functionals on sparsity classes. *Annals of Statistics*, 45(3):923–958, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1497319684`.

Collier:2018:OAE

[CCTV18] Olivier Collier, Laëtitia Comminges, Alexandre B. Tsybakov, and Nicolas Verzelen. Optimal adaptive estimation of linear functionals under sparsity. *Annals of Statistics*, 46 (6A):3130–3150, December 2018. CODEN ASTSC7. ISSN

0090-5364. URL http://projecteuclid.org/euclid.aos/1536307245.

Comminges:2012:TCC

[CD12] Laëtitia Comminges and Arnak S. Dalalyan. Tight conditions for consistency of variable selection in the context of high dimensionality. *Annals of Statistics*, 40(5):2667–2696, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1359987534.

Chatterjee:2013:EUE

[CD13] Sourav Chatterjee and Persi Diaconis. Estimating and understanding exponential random graph models. *Annals of Statistics*, 41(5):2428–2461, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1383661269.

Constantinou:2017:ECI

[CD17] Panayiota Constantinou and A. Philip Dawid. Extended conditional independence and applications in causal inference. *Annals of Statistics*, 45(6):2618–2653, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Carroll:2013:UPB

[CDH13] Raymond J. Carroll, Aurore Delaigle, and Peter Hall. Unexpected properties of bandwidth choice when smoothing discrete data for constructing a functional data classifier. *Annals of Statistics*, 41(6):2739–2767, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1387313388.

Chen:2011:CMC

[CDO11] S. Chen, J. Dick, and A. B. Owen. Consistency of Markov chain quasi-Monte Carlo on continuous state spaces. *Annals of Statistics*, 39(2):673–701, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1299680951.

Cai:2011:EER

[CEdH11] Juan-Juan Cai, John H. J. Einmahl, and Laurens de Haan. Estimation of extreme risk regions under multivariate regular variation. *Annals of Statistics*, 39(3):1803–1826, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1311600284.

Can:2015:ADF

[CEKL15] Sami Umut Can, John H. J. Einmahl, Estate V. Khmaladze, and Roger J. A. Laeven. Asymptotically distribution-free goodness-of-fit testing for tail copulas. *Annals of Statistics*, 43(2):878–902, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1427115290.

Cai:2016:GTA

[CEL16] T. Tony Cai, Yonina C. Eldar, and Xiaodong Li. Global testing against sparse alternatives in time-frequency analysis. *Annals of Statistics*, 44(4):1438–1466, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894704.

Cheng:2016:PHC

[CF16] Ming-Yen Cheng and Jianqing Fan. Peter Hall's contributions to nonparametric function estimation and modeling. *Annals of Statistics*, 44(5):1837–1853, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685259.

Cook:2019:PLS

[CF19] R. Dennis Cook and Liliana Forzani. Partial least squares prediction in high-dimensional regression. *Annals of Statistics*, 47(2):884–908, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1547197242.

Cook:2012:ESR

[CFR12] R. Dennis Cook, Liliana Forzani, and Adam J. Rothman. Estimating sufficient reductions of the predictors in abundant high-dimensional regressions. *Annals of Statistics*, 40(1):353–384, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1333567193.

Cai:2017:CIH

[CG17] T. Tony Cai and Zijian Guo. Confidence intervals for high-dimensional linear regression: Minimax rates and adaptivity. *Annals of Statistics*, 45(2):615–646, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1494921952.

Cai:2018:AAH

[CG18] T. Tony Cai and Zijian Guo. Accuracy assessment for high-dimensional linear regression. *Annals of Statistics*, 46(4):1807–1836, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086434.

Comte:2011:ELP

[CGC11] Fabienne Comte and Valentine Genon-Catalot. Estimation for Lévy processes from high frequency data within a long time interval. *Annals of Statistics*, 39(2):803–837, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1299680955.

Chernozhukov:2017:MKD

[CGHH17] Victor Chernozhukov, Alfred Galichon, Marc Hallin, and Marc Henry. Monge–Kantorovich depth, quantiles, ranks and signs. *Annals of Statistics*, 45(1):223–256, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667622.

Cappe:2013:KLU

[CGM$^+$13] Olivier Cappé, Aurélien Garivier, Odalric-Ambrym Maillard, Rémi Munos, and Gilles Stoltz. Kullback–Leibler upper confidence bounds for optimal sequential allocation. *Annals of Statistics*, 41(3):1516–1541, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1375362558.

Chen:2018:RCS

[CGR18] Mengjie Chen, Chao Gao, and Zhao Ren. Robust covariance and scatter matrix estimation under Huber's contamination model. *Annals of Statistics*, 46(5):1932–1960, October

2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1534492824.

Chatterjee:2015:RBI

[CGS15] Sabyasachi Chatterjee, Adityanand Guntuboyina, and Bodhisattva Sen. On risk bounds in isotonic and other shape restricted regression problems. *Annals of Statistics*, 43 (4):1774–1800, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546222.

Cavaliere:2016:SBI

[CGT16] Giuseppe Cavaliere, Iliyan Georgiev, and A. M. Robert Taylor. Sieve-based inference for infinite-variance linear processes. *Annals of Statistics*, 44(4):1467–1494, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894705.

Chen:2016:NMR

[CGTW16] Yen-Chi Chen, Christopher R. Genovese, Ryan J. Tibshirani, and Larry Wasserman. Nonparametric modal regression. *Annals of Statistics*, 44(2):489–514, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245725.

Chen:2015:ATD

[CGW15] Yen-Chi Chen, Christopher R. Genovese, and Larry Wasserman. Asymptotic theory for density ridges. *Annals of Statistics*, 43(5):1896–1928, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1438606848.

Cai:2018:AEP

[CGW18] T. Tony Cai, Adityanand Guntuboyina, and Yuting Wei. Adaptive estimation of planar convex sets. *Annals of Statistics*, 46(3):1018–1049, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1525313074.

Chang:2018:PCA

[CGY18] Jinyuan Chang, Bin Guo, and Qiwei Yao. Principal component analysis for second-order stationary vector time series.

Annals of Statistics, 46(5):2094–2124, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1534492830.

Cui:2018:THD

[CGZ18] Hengjian Cui, Wenwen Guo, and Wei Zhong. Test for high-dimensional regression coefficients using refitted cross-validation variance estimation. *Annals of Statistics*, 46(3):958–988, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1525313072.

Cheng:2010:BCG

[CH10] Guang Cheng and Jianhua Z. Huang. Bootstrap consistency for general semiparametric M-estimation. *Annals of Statistics*, 38(5):2884–2915, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1279638543.

Cisewski:2012:GFI

[CH12] Jessi Cisewski and Jan Hannig. Generalized fiducial inference for normal linear mixed models. *Annals of Statistics*, 40(4):2102–2127, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1351602538.

Chatterjee:2014:NPL

[Cha14] Sourav Chatterjee. A new perspective on least squares under convex constraint. *Annals of Statistics*, 42(6):2340–2381, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1413810730.

Chatterjee:2015:MEU

[Cha15a] Sourav Chatterjee. Matrix estimation by Universal Singular Value Thresholding. *Annals of Statistics*, 43(1):177–214, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1418135619.

Chauvet:2015:CMM

[Cha15b] Guillaume Chauvet. Coupling methods for multistage sampling. *Annals of Statistics*, 43(6):2484–2506, December 2015.

CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1444222082.

Chan:2017:OSD

[Cha17] Hock Peng Chan. Optimal sequential detection in multistream data. *Annals of Statistics*, 45(6):2736–2763, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Chen:2016:PHC

[Che16] Song Xi Chen. Peter Hall's contributions to the bootstrap. *Annals of Statistics*, 44(5):1821–1836, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685258.

Chen:2018:GBA

[Che18] Xiaohui Chen. Gaussian and bootstrap approximations for high-dimensional U-statistics and their applications. *Annals of Statistics*, 46(2):642–678, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1522742432.

Chen:2019:SCP

[Che19a] Hao Chen. Sequential change-point detection based on nearest neighbors. *Annals of Statistics*, 47(3):1381–1407, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026842.

Chen:2019:PTS

[Che19b] Wei-Kuo Chen. Phase transition in the spiked random tensor with Rademacher prior. *Annals of Statistics*, 47(5):2734–2756, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1564797862.

Chen:2019:GCT

[Che19c] Yen-Chi Chen. Generalized cluster trees and singular measures. *Annals of Statistics*, 47(4):2174–2203, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1558425642.

Chi:2011:ESD

[Chi11] Zhiyi Chi. Effects of statistical dependence on multiple testing under a hidden Markov model. *Annals of Statistics*, 39(1):439–473, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1297779853.

Chan:2013:MBM

[CHI13] Ngai Hang Chan, Shih-Feng Huang, and Ching-Kang Ing. Moment bounds and mean squared prediction errors of long-memory time series. *Annals of Statistics*, 41(3):1268–1298, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1371150901.

Chang:2014:ATG

[CHI14] Chih-Hao Chang, Hsin-Cheng Huang, and Ching-Kang Ing. Asymptotic theory of generalized information criterion for geostatistical regression model selection. *Annals of Statistics*, 42(6):2441–2468, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1413810733.

Cheng:2016:EES

[CHL16] Ming-Yen Cheng, Toshio Honda, and Jialiang Li. Efficient estimation in semivarying coefficient models for longitudinal/clustered data. *Annals of Statistics*, 44(5):1988–2017, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685266.

Chernozhukov:2017:LAR

[CHL17] Victor Chernozhukov, Christian Hansen, and Yuan Liao. A lava attack on the recovery of sums of dense and sparse signals. *Annals of Statistics*, 45(1):39–76, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667617.

Cheng:2014:NIS

[CHLP14] Ming-Yen Cheng, Toshio Honda, Jialiang Li, and Heng Peng. Nonparametric independence screening and structure identification for ultra-high dimensional longitudinal data. *Annals of*

Statistics, 42(5):1819–1849, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1410440626`.

Chen:2011:SMI

[CHM11] Dong Chen, Peter Hall, and Hans-Georg Müller. Single and multiple index functional regression models with nonparametric link. *Annals of Statistics*, 39(3):1720–1747, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1311600281`.

Choi:2017:CCN

[Cho17] David Choi. Co-clustering of nonsmooth graphons. *Annals of Statistics*, 45(4):1488–1515, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1498636864`.

Cui:2011:EAS

[CHZ11] Xia Cui, Wolfgang Karl Härdle, and Lixing Zhu. The EFM approach for single-index models. *Annals of Statistics*, 39(3):1658–1688, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1311600279`.

Chan:2011:UMB

[CI11] Ngai Hang Chan and Ching-Kang Ing. Uniform moment bounds of Fisher's information with applications to time series. *Annals of Statistics*, 39(3):1526–1550, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1307452127`.

Cai:2010:ORCa

[CJ10] T. Tony Cai and Jiashun Jin. Optimal rates of convergence for estimating the null density and proportion of nonnull effects in large-scale multiple testing. *Annals of Statistics*, 38(1):100–145, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271611`.

Cai:2011:LLC

[CJ11] T. Tony Cai and Tiefeng Jiang. Limiting laws of coherence of random matrices with applications to testing covariance structure and construction of compressed sensing matrices. *Annals of Statistics*, 39(3):1496–1525, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1305292044`.

Comte:2012:AFL

[CJ12] Fabienne Comte and Jan Johannes. Adaptive functional linear regression. *Annals of Statistics*, 40(6):2765–2797, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1360332183`.

Cheng:2015:OED

[CK15] Ching-Shui Cheng and Ming-Hung Kao. Optimal experimental designs for fMRI via circulant biased weighing designs. *Annals of Statistics*, 43(6):2565–2587, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1444222085`.

Cao:2019:PGS

[CKG19] Xuan Cao, Kshitij Khare, and Malay Ghosh. Posterior graph selection and estimation consistency for high-dimensional Bayesian DAG models. *Annals of Statistics*, 47(1):319–348, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1543568590`.

Cai:2016:OLS

[CKW+16] Tony Cai, Donggyu Kim, Yazhen Wang, Ming Yuan, and Harrison H. Zhou. Optimal large-scale quantum state tomography with Pauli measurements. *Annals of Statistics*, 44(2):682–712, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1458245732`.

Chan:2008:REP

[CL08] Ngai Hang Chan and Shiqing Ling. Residual empirical processes for long and short memory time series. *Annals of Statistics*, 36(5):2453–2470, October 2008. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1223908099`. See correction [CL10].

Chan:2010:CRE

[CL10] Ngai Hang Chan and Shiqing Ling. Correction: “Residual empirical processes for long and short memory time series”. *Annals of Statistics*, 38(6):3839, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126976`. See [CL08].

Cai:2011:TCH

[CL11] T. Tony Cai and Mark G. Low. Testing composite hypotheses, Hermite polynomials and optimal estimation of a nonsmooth functional. *Annals of Statistics*, 39(2):1012–1041, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1302268085`.

Chan:2013:GTP

[CL13a] Hock Peng Chan and Tze Leung Lai. A general theory of particle filters in hidden Markov models and some applications. *Annals of Statistics*, 41(6):2877–2904, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1387313393`.

Chatterjee:2013:RCA

[CL13b] A. Chatterjee and S. N. Lahiri. Rates of convergence of the adaptive LASSO estimators to the oracle distribution and higher order refinements by the bootstrap. *Annals of Statistics*, 41(3):1232–1259, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1371150899`.

Chen:2013:QQF

[CL13c] Jiahua Chen and Yukun Liu. Quantile and quantile-function estimations under density ratio model. *Annals of Statistics*, 41(3):1669–1692, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1375362563`.

Cai:2015:RCF

[CL15a] T. Tony Cai and Xiaodong Li. Robust and computationally feasible community detection in the presence of arbitrary outlier nodes. *Annals of Statistics*, 43(3):1027–1059, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1431695637.

Chichignoud:2015:BSK

[CL15b] Michaël Chichignoud and Sébastien Loustau. Bandwidth selection in kernel empirical risk minimization via the gradient. *Annals of Statistics*, 43(4):1617–1646, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546217.

Chen:2018:TIH

[CL18] Xi Chen and Weidong Liu. Testing independence with high-dimensional correlated samples. *Annals of Statistics*, 46(2):866–894, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1522742439.

Chen:2015:SGA

[CLLW15] Jia Chen, Degui Li, Hua Liang, and Suojin Wang. Semiparametric GEE analysis in partially linear single-index models for longitudinal data. *Annals of Statistics*, 43(4):1682–1715, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546219.

Cai:2016:ORC

[CLM16] T. Tony Cai, Xiaodong Li, and Zongming Ma. Optimal rates of convergence for noisy sparse phase retrieval via thresholded Wirtinger flow. *Annals of Statistics*, 44(5):2221–2251, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685274.

Chen:2019:SRE

[CLN19] Ningyuan Chen, Donald K. K. Lee, and Sahand N. Negahban. Super-resolution estimation of cyclic arrival rates. *Annals of Statistics*, 47(3):1754–1775, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026856.

Camerlenghi:2019:DTH

[CLOP19] Federico Camerlenghi, Antonio Lijoi, Peter Orbanz, and Igor Prünster. Distribution theory for hierarchical processes. *Annals of Statistics*, 47(1):67–92, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1543568582`.

Cai:2016:GIG

[CLR16] T. Tony Cai, Tengyuan Liang, and Alexander Rakhlin. Geometric inference for general high-dimensional linear inverse problems. *Annals of Statistics*, 44(4):1536–1563, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1467894707`.

Cai:2017:CSB

[CLR17] T. Tony Cai, Tengyuan Liang, and Alexander Rakhlin. Computational and statistical boundaries for submatrix localization in a large noisy matrix. *Annals of Statistics*, 45 (4):1403–1430, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1498636861`.

Chan:2018:EMD

[CLSY18] Kwun Chuen Gary Chan, Hok Kan Ling, Tony Sit, and Sheung Chi Phillip Yam. Estimation of a monotone density in s-sample biased sampling models. *Annals of Statistics*, 46(5):2125–2152, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492831`.

Cai:2013:ACI

[CLX13] T. Tony Cai, Mark G. Low, and Yin Xia. Adaptive confidence intervals for regression functions under shape constraints. *Annals of Statistics*, 41(2):722–750, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1368018171`.

Chen:2018:CMM

[CLX18] Yudong Chen, Xiaodong Li, and Jiaming Xu. Convexified modularity maximization for degree-corrected stochastic block models. *Annals of Statistics*, 46(4):1573–1602, August

2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086426.

Cai:2016:ESP

[CLZ16] T. Tony Cai, Weidong Liu, and Harrison H. Zhou. Estimating sparse precision matrix: Optimal rates of convergence and adaptive estimation. *Annals of Statistics*, 44(2):455–488, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245724.

Chen:2019:TSA

[CLZ19a] Song Xi Chen, Jun Li, and Ping-Shou Zhong. Two-sample and ANOVA tests for high dimensional means. *Annals of Statistics*, 47(3):1443–1474, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026845.

Chen:2019:QRU

[CLZ19b] Xi Chen, Weidong Liu, and Yichen Zhang. Quantile regression under memory constraint. *Annals of Statistics*, 47 (6):3244–3273, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1572487392.

Chen:2012:NMR

[CM12] Dong Chen and Hans-Georg Müller. Nonlinear manifold representations for functional data. *Annals of Statistics*, 40(1):1–29, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1331830772.

Colombo:2012:LHD

[CMKR12] Diego Colombo, Marloes H. Maathuis, Markus Kalisch, and Thomas S. Richardson. Learning high-dimensional directed acyclic graphs with latent and selection variables. *Annals of Statistics*, 40(1):294–321, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1333567191.

Cai:2013:SPO

[CMW13] T. Tony Cai, Zongming Ma, and Yihong Wu. Sparse PCA: Optimal rates and adaptive estimation. *Annals of Statis-*

tics, 41(6):3074–3110, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1388545679`.

Chen:2014:MJP

[CMW14] Xian Chen, Zhi-Ming Ma, and Ying Wang. Markov jump processes in modeling coalescent with recombination. *Annals of Statistics*, 42(4):1361–1393, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1403715204`.

Cai:2019:CCH

[CMZ19] T. Tony Cai, Jing Ma, and Linjun Zhang. CHIME: Clustering of high-dimensional Gaussian mixtures with EM algorithm and its optimality. *Annals of Statistics*, 47(3):1234–1267, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1550026835`.

Castillo:2013:NBM

[CN13] Ismaël Castillo and Richard Nickl. Nonparametric Bernstein–von Mises theorems in Gaussian white noise. *Annals of Statistics*, 41(4):1999–2028, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1382547511`.

Castillo:2014:BMP

[CN14] Ismaël Castillo and Richard Nickl. On the Bernstein–von Mises phenomenon for nonparametric Bayes procedures. *Annals of Statistics*, 42(5):1941–1969, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1410440630`.

Cutting:2017:TUH

[CPV17] Christine Cutting, Davy Paindaveine, and Thomas Verdebout. Testing uniformity on high-dimensional spheres against monotone rotationally symmetric alternatives. *Annals of Statistics*, 45(3):1024–1058, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1497319687`.

Chandrasekaran:2012:LVG

[CPW12a] Venkat Chandrasekaran, Pablo A. Parrilo, and Alan S. Willsky. Latent variable graphical model selection via convex optimization. *Annals of Statistics*, 40(4):1935–1967, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1351602527`.

Chandrasekaran:2012:RLV

[CPW12b] Venkat Chandrasekaran, Pablo A. Parrilo, and Alan S. Willsky. Rejoinder: Latent variable graphical model selection via convex optimization. *Annals of Statistics*, 40(4):2005–2013, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1351602534`.

Chen:2010:TST

[CQ10] Song Xi Chen and Ying-Li Qin. A two-sample test for high-dimensional data with applications to gene-set testing. *Annals of Statistics*, 38(2):808–835, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586615`.

Chung:2013:EAR

[CR13] EunYi Chung and Joseph P. Romano. Exact and asymptotically robust permutation tests. *Annals of Statistics*, 41(2):484–507, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1366138199`.

Castillo:2015:BMT

[CR15] Ismaël Castillo and Judith Rousseau. A Bernstein–von Mises theorem for smooth functionals in semiparametric models. *Annals of Statistics*, 43(6):2353–2383, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1444222078`.

Candes:2012:DLV

[CS12] Emmanuel J. Candés and Mahdi Soltanolkotabi. Discussion: Latent variable graphical model selection via convex optimization. *Annals of Statistics*, 40(4):1997–2004, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1351602533`.

Cheng:2015:JAS

[CS15] Guang Cheng and Zuofeng Shang. Joint asymptotics for semi-nonparametric regression models with partially linear structure. *Annals of Statistics*, 43(3):1351–1390, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1431695647`.

Cheng:2017:MTL

[CS17] Dan Cheng and Armin Schwartzman. Multiple testing of local maxima for detection of peaks in random fields. *Annals of Statistics*, 45(2):529–556, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1494921949`.

Castillo:2015:BLR

[CSHvdV15] Ismaël Castillo, Johannes Schmidt-Hieber, and Aad van der Vaart. Bayesian linear regression with sparse priors. *Annals of Statistics*, 43(5):1986–2018, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1438606851`.

Chen:2016:SNC

[CSWX16] Xiaohong Chen, Qi-Man Shao, Wei Biao Wu, and Lihu Xu. Self-normalized Cramér-type moderate deviations under dependence. *Annals of Statistics*, 44(4):1593–1617, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1467894709`.

Cape:2019:TIN

[CTP19] Joshua Cape, Minh Tang, and Carey E. Priebe. The two-to-infinity norm and singular subspace geometry with applications to high-dimensional statistics. *Annals of Statistics*, 47(5):2405–2439, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797852`.

Choi:2017:SNP

[CTT17] Yunjin Choi, Jonathan Taylor, and Robert Tibshirani. Selecting the number of principal components: Estimation of the true rank of a noisy matrix. *Annals of Statistics*, 45(6): 2590–2617, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Chang:2013:MEL

[CTW13] Jinyuan Chang, Cheng Yong Tang, and Yichao Wu. Marginal empirical likelihood and sure independence feature screening. *Annals of Statistics*, 41(4):2123–2148, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1382547515`.

Chang:2016:LIF

[CTW16] Jinyuan Chang, Cheng Yong Tang, and Yichao Wu. Local independence feature screening for nonparametric and semiparametric models by marginal empirical likelihood. *Annals of Statistics*, 44(2):515–539, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1458245726`.

Chang:2018:NSP

[CTW18] Jinyuan Chang, Cheng Yong Tang, and Tong Tong Wu. A new scope of penalized empirical likelihood with high-dimensional estimating equations. *Annals of Statistics*, 46 (6B):3185–3216, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536631271`.

Carpentier:2019:AES

[CV19a] Alexandra Carpentier and Nicolas Verzelen. Adaptive estimation of the sparsity in the Gaussian vector model. *Annals of Statistics*, 47(1):93–126, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1543568583`.

Chakraborty:2019:SSM

[CV19b] Rudrasis Chakraborty and Baba C. Vemuri. Statistics on the Stiefel manifold: Theory and applications. *Annals of Statistics*, 47(1):415–438, February 2019. CODEN ASTSC7.

ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1543568593`.

Castillo:2012:NSH

[CvdV12] Ismaël Castillo and Aad van der Vaart. Needles and straw in a haystack: Posterior concentration for possibly sparse sequences. *Annals of Statistics*, 40(4):2069–2101, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1351602537`.

Chetelat:2012:IMN

[CW12] Didier Chételat and Martin T. Wells. Improved multivariate normal mean estimation with unknown covariance when p is greater than n. *Annals of Statistics*, 40(6):3137–3160, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1361542077`.

Choi:2014:CCS

[CW14] David Choi and Patrick J. Wolfe. Co-clustering separately exchangeable network data. *Annals of Statistics*, 42(1):29–63, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1389795744`.

Chan:2015:ODM

[CW15] Hock Peng Chan and Guenther Walther. Optimal detection of multi-sample aligned sparse signals. *Annals of Statistics*, 43(5):1865–1895, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1438606847`.

Chetelat:2019:MSA

[CW19] Didier Chételat and Martin T. Wells. The middle-scale asymptotics of Wishart matrices. *Annals of Statistics*, 47 (5):2639–2670, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797859`.

Chen:2013:CPM

[CXW13] Xiaohui Chen, Mengyu Xu, and Wei Biao Wu. Covariance and precision matrix estimation for high-dimensional time series. *Annals of Statistics*, 41(6):2994–3021, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1388545676`.

Cai:2011:OEM

[CY11] T. Tony Cai and Ming Yuan. Optimal estimation of the mean function based on discretely sampled functional data: Phase transition. *Annals of Statistics*, 39(5):2330–2355, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1322663460`.

Cai:2012:ACM

[CY12] T. Tony Cai and Ming Yuan. Adaptive covariance matrix estimation through block thresholding. *Annals of Statistics*, 40(4):2014–2042, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1351602535`.

Cai:2014:DST

[CY14] T. Tony Cai and Ming Yuan. Discussion: "A significance test for the lasso". *Annals of Statistics*, 42(2):478–482, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592163`. See [LTTT14c].

Chen:2010:ALD

[CZ10] Song Xi Chen and Ping-Shou Zhong. ANOVA for longitudinal data with missing values. *Annals of Statistics*, 38 (6):3630–3659, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126968`.

Cai:2012:ORC

[CZ12] T. Tony Cai and Harrison H. Zhou. Optimal rates of convergence for sparse covariance matrix estimation. *Annals of Statistics*, 40(5):2389–2420, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1359987525`.

Cai:2015:RMR

[CZ15a] T. Tony Cai and Anru Zhang. ROP: Matrix recovery via rank-one projections. *Annals of Statistics*, 43(1):102–138, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1416322038.

Chen:2015:GBC

[CZ15b] Hao Chen and Nancy Zhang. Graph-based change-point detection. *Annals of Statistics*, 43(1):139–176, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1416322039.

Cai:2016:DIF

[CZ16] T. Tony Cai and Linjun Zhang. Discussion of "Influential features PCA for high dimensional clustering". *Annals of Statistics*, 44(6):2372–2381, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891620. See [JW16a, JW16b].

Cai:2018:ROP

[CZ18] T. Tony Cai and Anru Zhang. Rate-optimal perturbation bounds for singular subspaces with applications to high-dimensional statistics. *Annals of Statistics*, 46(1):60–89, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Chen:2010:CIS

[CZC10] Xin Chen, Changliang Zou, and R. Dennis Cook. Coordinate-independent sparse sufficient dimension reduction and variable selection. *Annals of Statistics*, 38(6):3696–3723, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291126970.

Chambaz:2017:TSD

[CZvdL17] Antoine Chambaz, Wenjing Zheng, and Mark J. van der Laan. Targeted sequential design for targeted learning inference of the optimal treatment rule and its mean reward. *Annals of Statistics*, 45(6):2537–2564, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Chu:2011:PML

[CZW11] Tingjin Chu, Jun Zhu, and Haonan Wang. Penalized maximum likelihood estimation and variable selection in geostatistics. *Annals of Statistics*, 39(5):2607–2625, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1324563349`.

Cai:2010:ORCb

[CZZ10] T. Tony Cai, Cun-Hui Zhang, and Harrison H. Zhou. Optimal rates of convergence for covariance matrix estimation. *Annals of Statistics*, 38(4):2118–2144, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1278861244`.

Dieuleveut:2016:NSA

[DB16] Aymeric Dieuleveut and Francis Bach. Nonparametric stochastic approximation with large step-sizes. *Annals of Statistics*, 44(4):1363–1399, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1467894702`.

Deligiannidis:2019:EEB

[DBCD19] George Deligiannidis, Alexandre Bouchard-Côté, and Arnaud Doucet. Exponential ergodicity of the bouncy particle sampler. *Annals of Statistics*, 47(3):1268–1287, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1550026836`.

Dicker:2017:FRQ

[DE17] Lee H. Dicker and Murat A. Erdogdu. Flexible results for quadratic forms with applications to variance components estimation. *Annals of Statistics*, 45(1):386–414, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1487667627`.

Delaigle:2016:PHM

[Del16] Aurore Delaigle. Peter Hall's main contributions to deconvolution. *Annals of Statistics*, 44(5):1854–1866, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685260.

Desgagne:2015:ROL

[Des15] Alain Desgagné. Robustness to outliers in location-scale parameter model using log-regularly varying distributions. *Annals of Statistics*, 43(4):1568–1595, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546215.

Drton:2019:MLT

[DFKP19] Mathias Drton, Christopher Fox, Andreas Käufl, and Guillaume Pouliot. The maximum likelihood threshold of a path diagram. *Annals of Statistics*, 47(3):1536–1553, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026848.

Drton:2011:GIL

[DFS11] Mathias Drton, Rina Foygel, and Seth Sullivant. Global identifiability of linear structural equation models. *Annals of Statistics*, 39(2):865–886, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1299680957.

Drton:2019:CML

[DFW19] Mathias Drton, Christopher Fox, and Y. Samuel Wang. Computation of maximum likelihood estimates in cyclic structural equation models. *Annals of Statistics*, 47(2):663–690, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1547197234.

Drton:2012:CMM

[DG12] Mathias Drton and Aldo Goia. Correction on moments of minors of Wishart matrices. *Annals of Statistics*, 40(2):1283–1284, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1342625469. See [DMO08].

Dette:2014:ODS

[DG14a] Holger Dette and Yuri Grigoriev. E-optimal designs for second-order response surface models. *Annals of Statistics*, 42(4):1635–1656, August 2014. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1407420011.

Donoho:2014:MRM

[DG14b] David Donoho and Matan Gavish. Minimax risk of matrix denoising by singular value thresholding. *Annals of Statistics*, 42(6):2413–2440, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1413810732.

DeCastro:2019:AOD

[DGH+19] Yohann De Castro, Fabrice Gamboa, Didier Henrion, Roxana Hess, and Jean-Bernard Lasserre. Approximate optimal designs for multivariate polynomial regression. *Annals of Statistics*, 47(1):127–155, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568584.

Dattner:2011:DDF

[DGJ11] I. Dattner, A. Goldenshluger, and A. Juditsky. On deconvolution of distribution functions. *Annals of Statistics*, 39(5):2477–2501, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1322663465.

Donoho:2018:OSE

[DGJ18] David Donoho, Matan Gavish, and Iain Johnstone. Optimal shrinkage of eigenvalues in the spiked covariance model. *Annals of Statistics*, 46(4):1742–1778, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086432.

Dasgupta:2019:FEK

[DGK19] Sayan Dasgupta, Yair Goldberg, and Michael R. Kosorok. Feature elimination in kernel machines in moderately high dimensions. *Annals of Statistics*, 47(1):497–526, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568596.

Das:2019:PBA

[DGL19] Debraj Das, Karl Gregory, and S. N. Lahiri. Perturbation bootstrap in adaptive lasso. *Annals of Statistics*, 47 (4):2080–2116, August 2019. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1558425640.

Dalalyan:2018:EWA

[DGP18] Arnak S. Dalalyan, Edwin Grappin, and Quentin Paris. On the exponentially weighted aggregate with the Laplace prior. *Annals of Statistics*, 46(5):2452–2478, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1534492841.

Dong:2016:ESI

[DGT16] Chaohua Dong, Jiti Gao, and Dag Tjøstheim. Estimation for single-index and partially linear single-index integrated models. *Annals of Statistics*, 44(1):425–453, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1452004792.

Delaigle:2010:DPD

[DH10] Aurore Delaigle and Peter Hall. Defining probability density for a distribution of random functions. *Annals of Statistics*, 38(2):1171–1193, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586626.

Delaigle:2012:MTP

[DH12a] Aurore Delaigle and Peter Hall. Methodology and theory for partial least squares applied to functional data. *Annals of Statistics*, 40(1):322–352, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1333567192.

Delaigle:2012:NRH

[DH12b] Aurore Delaigle and Peter Hall. Nonparametric regression with homogeneous group testing data. *Annals of Statistics*, 40(1):131–158, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1331830777.

Dinh:2018:CCR

[DHSM18] Vu Dinh, Lam Si Tung Ho, Marc A. Suchard, and Frederick A. Matsen IV. Consistency and convergence rate of phylogenetic inference via regularization. *Annals of Statistics*, 46(4):1481–1512, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1530086423`.

Delaigle:2016:NCA

[DHZ16] Aurore Delaigle, Peter Hall, and Wen-Xin Zhou. Nonparametric covariate-adjusted regression. *Annals of Statistics*, 44(5):2190–2220, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1473685273`.

Dick:2011:HOS

[Dic11] Josef Dick. Higher order scrambled digital nets achieve the optimal rate of the root mean square error for smooth integrands. *Annals of Statistics*, 39(3):1372–1398, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1304514657`.

deJonge:2010:ANB

[dJvZ10] R. de Jonge and J. H. van Zanten. Adaptive nonparametric Bayesian inference using location-scale mixture priors. *Annals of Statistics*, 38(6):3300–3320, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1284988407`.

Durot:2012:LDE

[DKL12] Cécile Durot, Vladimir N. Kulikov, and Hendrik P. Lopuhaä. The limit distribution of the L_∞-error of Grenander-type estimators. *Annals of Statistics*, 40(3):1578–1608, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1346850066`.

Duchi:2018:MCI

[DKR18] John Duchi, Khashayar Khosravi, and Feng Ruan. Multiclass classification, information, divergence and surrogate risk. *Annals of Statistics*, 46(6B):3246–3275, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536631273`.

Draisma:2013:GAG

[DKZ13] Jan Draisma, Sonja Kuhnt, and Piotr Zwiernik. Groups acting on Gaussian graphical models. *Annals of Statistics*, 41(4):1944–1969, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1382547509.

Dette:2017:NAO

[DKZ17] Holger Dette, Maria Konstantinou, and Anatoly Zhigljavsky. A new approach to optimal designs for correlated observations. *Annals of Statistics*, 45(4):1579–1608, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1498636867.

Dereudre:2017:CLE

[DL17] David Dereudre and Frédéric Lavancier. Consistency of likelihood estimation for Gibbs point processes. *Annals of Statistics*, 45(2):744–770, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1494921956.

Devroye:2016:SGM

[DLLO16] Luc Devroye, Matthieu Lerasle, Gabor Lugosi, and Roberto I. Oliveira. Sub-Gaussian mean estimators. *Annals of Statistics*, 44(6):2695–2725, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891632.

Dawid:2012:PLS

[DLP12] A. Philip Dawid, Steffen Lauritzen, and Matthew Parry. Proper local scoring rules on discrete sample spaces. *Annals of Statistics*, 40(1):593–608, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1336396184.

Dette:2011:NGP

[DM11] Holger Dette and Viatcheslav B. Melas. A note on the de la Garza phenomenon for locally optimal designs. *Annals of Statistics*, 39(2):1266–1281, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1304947050.

Douc:2012:APM

[DM12] Randal Douc and Eric Moulines. Asymptotic properties of the maximum likelihood estimation in misspecified hidden Markov models. *Annals of Statistics*, 40(5):2697–2732, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1359987535.

Dai:2018:PCA

[DM18] Xiongtao Dai and Hans-Georg Müller. Principal component analysis for functional data on Riemannian manifolds and spheres. *Annals of Statistics*, 46(6B):3334–3361, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631276.

Dette:2015:BOD

[DMG15] Holger Dette, Viatcheslav B. Melas, and Roman Guchenko. Bayesian T-optimal discriminating designs. *Annals of Statistics*, 43(5):1959–1985, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1438606850.

Duchi:2013:ARA

[DMJ13] John C. Duchi, Lester Mackey, and Michael I. Jordan. The asymptotics of ranking algorithms. *Annals of Statistics*, 41(5):2292–2323, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1383661265.

Du:2010:PVS

[DML10] Pang Du, Shuangge Ma, and Hua Liang. Penalized variable selection procedure for Cox models with semiparametric relative risk. *Annals of Statistics*, 38(4):2092–2117, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861243.

Drton:2008:MMW

[DMO08] Mathias Drton, Hélène Massam, and Ingram Olkin. Moments of minors of Wishart matrices. *Annals of Statistics*, 36(5):2261–2283, October 2008. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1223908092. See correction [DG12].

Douc:2011:CML

[DMOvH11] Randal Douc, Eric Moulines, Jimmy Olsson, and Ramon van Handel. Consistency of the maximum likelihood estimator for general hidden Markov models. *Annals of Statistics*, 39(1):474–513, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1297779854.

Dette:2012:ODD

[DMS12] Holger Dette, Viatcheslav B. Melas, and Petr Shpilev. T-optimal designs for discrimination between two polynomial models. *Annals of Statistics*, 40(1):188–205, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1331830779.

Dette:2013:ROD

[DMS13a] Holger Dette, Viatcheslav B. Melas, and Petr Shpilev. Robust T-optimal discriminating designs. *Annals of Statistics*, 41(4):1693–1715, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1378386236.

DiNardo:2013:NSS

[DMS13b] E. Di Nardo, P. McCullagh, and D. Senato. Natural statistics for spectral samples. *Annals of Statistics*, 41(2):982–1004, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1369836967.

Ding:2011:SMT

[DN11] Ying Ding and Bin Nan. A sieve M-theorem for bundled parameters in semiparametric models, with application to the efficient estimation in a linear model for censored data. *Annals of Statistics*, 39(6):3032–3061, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1327413777.

Dobriban:2017:SDP

[Dob17] Edgar Dobriban. Sharp detection in PCA under correlations: All eigenvalues matter. *Annals of Statistics*, 45(4):1810–1833, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1498636875.

Davidov:2013:LSO

[DP13] Ori Davidov and Shyamal Peddada. The linear stochastic order and directed inference for multivariate ordered distributions. *Annals of Statistics*, 41(1):1–40, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1362493038.

Doss:2018:MAE

[DP18] Hani Doss and Yeonhee Park. An MCMC approach to empirical Bayes inference and Bayesian sensitivity analysis via empirical processes. *Annals of Statistics*, 46(4):1630–1663, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086428.

Descary:2019:FDA

[DP19] Marie-Hélène Descary and Victor M. Panaretos. Functional data analysis by matrix completion. *Annals of Statistics*, 47(1):1–38, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568580.

Dou:2012:EFR

[DPZ12] Winston Wei Dou, David Pollard, and Harrison H. Zhou. Estimation in functional regression for general exponential families. *Annals of Statistics*, 40(5):2421–2451, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1359987526.

Dette:2013:ODL

[DPZ13] Holger Dette, Andrey Pepelyshev, and Anatoly Zhigljavsky. Optimal design for linear models with correlated observations. *Annals of Statistics*, 41(1):143–176, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1362493043`.

Dette:2016:ODR

[DPZ16] Holger Dette, Andrey Pepelyshev, and Anatoly Zhigljavsky. Optimal designs in regression with correlated errors. *Annals of Statistics*, 44(1):113–152, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1449755959`.

Dette:2019:BCT

[DPZ19] Holger Dette, Andrey Pepelyshev, and Anatoly Zhigljavsky. The BLUE in continuous-time regression models with correlated errors. *Annals of Statistics*, 47(4):1928–1959, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425635`.

Drees:2010:LTE

[DR10] Holger Drees and Holger Rootzén. Limit theorems for empirical processes of cluster functionals. *Annals of Statistics*, 38(4):2145–2186, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1278861245`. See correction [DR16].

Douc:2011:VRB

[DR11] Randal Douc and Christian P. Robert. A vanilla Rao–Blackwellization of Metropolis–Hastings algorithms. *Annals of Statistics*, 39(1):261–277, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291388375`.

Delattre:2015:NPC

[DR15] Sylvain Delattre and Etienne Roquain. New procedures controlling the false discovery proportion via Romano–Wolf's heuristic. *Annals of Statistics*, 43(3):1141–1177, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1431695641`.

Drees:2016:C

[DR16] Holger Drees and Holger Rootzén. Correction. *Annals of Statistics*, 44(3):1360–1361, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1460381696`. See [DR10].

Dai:2012:DOL

[DRZ12] Dong Dai, Philippe Rigollet, and Tong Zhang. Deviation optimal learning using greedy Q-aggregation. *Annals of Statistics*, 40(3):1878–1905, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1350394520`.

Davis:2011:URM

[DS11] Richard A. Davis and Li Song. Unit roots in moving averages beyond first order. *Annals of Statistics*, 39(6):3062–3091, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1327413778`.

Dalalyan:2012:SOI

[DS12] Arnak S. Dalalyan and Joseph Salmon. Sharp oracle inequalities for aggregation of affine estimators. *Annals of Statistics*, 40(4):2327–2355, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1358951384`.

Dette:2013:CCD

[DS13] Holger Dette and Kirsten Schorning. Complete classes of designs for nonlinear regression models and principal representations of moment spaces. *Annals of Statistics*, 41(3):1260–1267, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1371150900`.

Dette:2016:ODC

[DS16] Holger Dette and Kirsten Schorning. Optimal designs for comparing curves. *Annals of Statistics*, 44(3):1103–1130, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1460381688`.

Dumbgen:2011:ALC

[DSS11] Lutz Dümbgen, Richard Samworth, and Dominic Schuhmacher. Approximation by log-concave distributions, with applications to regression. *Annals of Statistics*, 39(2):702–730, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1299680952`.

Dobriban:2018:HDA

[DW18] Edgar Dobriban and Stefan Wager. High-dimensional asymptotics of prediction: Ridge regression and classification. *Annals of Statistics*, 46(1):247–279, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Dette:2019:DRC

[DW19a] Holger Dette and Weichi Wu. Detecting relevant changes in the mean of nonstationary processes — a mass excess approach. *Annals of Statistics*, 47(6):3578–3608, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1572487403`.

Doss:2019:IML

[DW19b] Charles R. Doss and Jon A. Wellner. Inference for the mode of a log-concave density. *Annals of Statistics*, 47(5):2950–2976, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797869`.

Du:2014:SIM

[DZ14] Lilun Du and Chunming Zhang. Single-index modulated multiple testing. *Annals of Statistics*, 42(4):1262–1311, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1403715201`.

Datta:2017:CHD

[DZ17] Abhirup Datta and Hui Zou. CoCoLasso for high-dimensional error-in-variables regression. *Annals of Statistics*, 45(6):2400–2426, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Escobar-Bach:2018:LRE

[EBGG18] Mikael Escobar-Bach, Yuri Goegebeur, and Armelle Guillou. Local robust estimation of the Pickands dependence function. *Annals of Statistics*, 46(6A):2806–2843, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307234.

Efromovich:2013:NRS

[Efr13] Sam Efromovich. Nonparametric regression with the scale depending on auxiliary variable. *Annals of Statistics*, 41(3):1542–1568, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1375362559.

Efron:2018:CIM

[Efr18] Bradley Efron. Curvature and inference for maximum likelihood estimates. *Annals of Statistics*, 46(4):1664–1692, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086429.

Ehm:2012:LPS

[EG12] Werner Ehm and Tilmann Gneiting. Local proper scoring rules of order two. *Annals of Statistics*, 40(1):609–637, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1336396185.

Eltzner:2019:SCL

[EH19a] Benjamin Eltzner and Stephan F. Huckemann. A smeary central limit theorem for manifolds with application to high-dimensional spheres. *Annals of Statistics*, 47(6):3360–3381, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1572487396.

Enikeeva:2019:HDC

[EH19b] Farida Enikeeva and Zaid Harchaoui. High-dimensional change-point detection under sparse alternatives. *Annals of Statistics*, 47(4):2051–2079, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1558425639.

Ehrlinger:2012:CB

[EI12] John Ehrlinger and Hemant Ishwaran. Characterizing L_2Boosting. *Annals of Statistics*, 40(2):1074–1101, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1342625462.

Evans:2010:IPV

[EJ10] Michael Evans and Gun Ho Jang. Invariant P-values for model checking. *Annals of Statistics*, 38(1):512–525, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1262271622.

Elenberg:2018:RSC

[EKDN18] Ethan R. Elenberg, Rajiv Khanna, Alexandros G. Dimakis, and Sahand Negahban. Restricted strong convexity implies weak submodularity. *Annals of Statistics*, 46(6B):3539–3568, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631283.

Einmahl:2012:MET

[EKS12] John H. J. Einmahl, Andrea Krajina, and Johan Segers. An M-estimator for tail dependence in arbitrary dimensions. *Annals of Statistics*, 40(3):1764–1793, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1349196391.

ElKaroui:2010:HDE

[El 10a] Noureddine El Karoui. High-dimensionality effects in the Markowitz problem and other quadratic programs with linear constraints: Risk underestimation. *Annals of Statistics*, 38(6):3487–3566, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291126965.

ElKaroui:2010:IPN

[El 10b] Noureddine El Karoui. On information plus noise kernel random matrices. *Annals of Statistics*, 38(5):3191–3216, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1284391762.

Karoui:2010:SKR

[El 10c] Noureddine El Karoui. The spectrum of kernel random matrices. *Annals of Statistics*, 38(1):1–50, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271608`.

Egloff:2010:QEA

[EL10] Daniel Egloff and Markus Leippold. Quantile estimation with adaptive importance sampling. *Annals of Statistics*, 38(2):1244–1278, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586629`.

Einmahl:2015:BCE

[ELL15] John H. J. Einmahl, Jun Li, and Regina Y. Liu. Bridging centrality and extremity: Refining empirical data depth using extreme value statistics. *Annals of Statistics*, 43(6):2738–2765, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1444222091`.

Escanciano:2018:ADF

[EPFV18] Juan Carlos Escanciano, Juan Carlos Pardo-Fernández, and Ingrid Van Keilegom. Asymptotic distribution-free tests for semiparametric regressions with dependent data. *Annals of Statistics*, 46(3):1167–1196, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1525313079`.

Evans:2014:MAD

[ER14] Robin J. Evans and Thomas S. Richardson. Markovian acyclic directed mixed graphs for discrete data. *Annals of Statistics*, 42(4):1452–1482, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1407420005`.

Ernst:2017:YNC

[ESW17] Philip A. Ernst, Larry A. Shepp, and Abraham J. Wyner. Yule's "nonsense correlation" solved! *Annals of Statistics*, 45(4):1789–1809, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1498636874`.

Evans:2018:MDB

[Eva18] Robin J. Evans. Margins of discrete Bayesian networks. *Annals of Statistics*, 46(6A):2623–2656, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307228.

Elsener:2018:RLR

[EvdG18] Andreas Elsener and Sara van de Geer. Robust low-rank matrix estimation. *Annals of Statistics*, 46(6B):3481–3509, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631281.

ElKaroui:2016:GCL

[EW16] Noureddine El Karoui and Hau-Tieng Wu. Graph connection Laplacian methods can be made robust to noise. *Annals of Statistics*, 44(1):346–372, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1452004789.

Foygel:2012:HTC

[FDD12] Rina Foygel, Jan Draisma, and Mathias Drton. Half-trek criterion for generic identifiability of linear structural equation models. *Annals of Statistics*, 40(3):1682–1713, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1349196388.

Ferreira:2015:BMM

[FdH15] Ana Ferreira and Laurens de Haan. On the block maxima method in extreme value theory: PWM estimators. *Annals of Statistics*, 43(1):276–298, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1418135622.

Fougeres:2015:BCM

[FdHM15] Anne-Laure Fougères, Laurens de Haan, and Cécile Mercadier. Bias correction in multivariate extremes. *Annals of Statistics*, 43(2):903–934, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1427115291.

Fellouris:2012:AOP

[Fel12] Georgios Fellouris. Asymptotically optimal parameter estimation under communication constraints. *Annals of Statistics*, 40(4):2239–2265, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1358951381.

Fan:2014:ARV

[FFB14] Jianqing Fan, Yingying Fan, and Emre Barut. Adaptive robust variable selection. *Annals of Statistics*, 42(1):324–351, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1395234980.

Fan:2010:NEG

[FFN10] Jianqing Fan, Yang Feng, and Yue S. Niu. Nonparametric estimation of genewise variance for microarray data. *Annals of Statistics*, 38(5):2723–2750, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861458.

Fan:2018:APE

[FG18a] Zhou Fan and Leying Guan. Approximate ℓ_0-penalized estimation of piecewise-constant signals on graphs. *Annals of Statistics*, 46(6B):3217–3245, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631272.

Finner:2018:TSK

[FG18b] Helmut Finner and Veronika Gontscharuk. Two-sample Kolmogorov–Smirnov-type tests revisited: Old and new tests in terms of local levels. *Annals of Statistics*, 46(6A):3014–3037, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307241.

Freund:2017:NPB

[FGM17] Robert M. Freund, Paul Grigas, and Rahul Mazumder. A new perspective on boosting in linear regression via subgradient optimization and relatives. *Annals of Statistics*, 45(6):2328–2364, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Feng:2014:SIB

[FH14a] Xingdong Feng and Xuming He. Statistical inference based on robust low-rank data matrix approximation. *Annals of Statistics*, 42(1):190–210, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1392733185.

Fithian:2014:LCC

[FH14b] William Fithian and Trevor Hastie. Local case-control sampling: Efficient subsampling in imbalanced data sets. *Annals of Statistics*, 42(5):1693–1724, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1410440622.

Flegal:2010:BMS

[FJ10] James M. Flegal and Galin L. Jones. Batch means and spectral variance estimators in Markov chain Monte Carlo. *Annals of Statistics*, 38(2):1034–1070, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586622.

Fan:2019:EDV

[FJ19] Zhou Fan and Iain M. Johnstone. Eigenvalue distributions of variance components estimators in high-dimensional random effects models. *Annals of Statistics*, 47(5):2855–2886, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1564797866.

Fan:2015:FAR

[FJR15] Yingying Fan, Gareth M. James, and Peter Radchenko. Functional additive regression. *Annals of Statistics*, 43 (5):2296–2325, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1442364153.

Fan:2013:OCS

[FJY13] Yingying Fan, Jiashun Jin, and Zhigang Yao. Optimal classification in sparse Gaussian graphic model. *Annals of Statistics*, 41(5):2537–2571, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1384871345.

Fan:2014:DST

[FK14] Jianqing Fan and Zheng Tracy Ke. Discussion: “A significance test for the lasso”. *Annals of Statistics*, 42(2):483–492, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592164`. See [LTTT14c].

Fan:2015:QSD

[FKLX15] Jianqing Fan, Zheng Tracy Ke, Han Liu, and Lucy Xia. QUADRO: A supervised dimension reduction method via Rayleigh quotient optimization. *Annals of Statistics*, 43(4):1498–1534, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1434546213`.

Fan:2015:IIS

[FKLZ15] Yingying Fan, Yinfei Kong, Daoji Li, and Zemin Zheng. Innovated interaction screening for high-dimensional nonlinear classification. *Annals of Statistics*, 43(3):1243–1272, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1431695643`.

Fan:2012:VSL

[FL12] Yingying Fan and Runze Li. Variable selection in linear mixed effects models. *Annals of Statistics*, 40(4):2043–2068, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1351602536`.

Fan:2014:EHD

[FL14] Jianqing Fan and Yuan Liao. Endogeneity in high dimensions. *Annals of Statistics*, 42(3):872–917, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592646`.

Fan:2016:ISE

[FL16] Yingying Fan and Jinchi Lv. Innovated scalable efficient estimation in ultra-large Gaussian graphical models. *Annals of Statistics*, 44(5):2098–2126, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1473685270`.

Fan:2011:HDC

[FLM11] Jianqing Fan, Yuan Liao, and Martina Mincheva. High-dimensional covariance matrix estimation in approximate factor models. *Annals of Statistics*, 39(6):3320–3356, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1330958681`.

Fasy:2014:CSP

[FLR+14] Brittany Terese Fasy, Fabrizio Lecci, Alessandro Rinaldo, Larry Wasserman, Sivaraman Balakrishnan, and Aarti Singh. Confidence sets for persistence diagrams. *Annals of Statistics*, 42(6):2301–2339, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1413810729`.

Fromont:2013:TSP

[FLRB13] Magalie Fromont, Béatrice Laurent, and Patricia Reynaud-Bouret. The two-sample problem for Poisson processes: Adaptive tests with a nonasymptotic wild bootstrap approach. *Annals of Statistics*, 41(3):1431–1461, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1375362555`.

Fromont:2016:FWS

[FLRB16] Magalie Fromont, Matthieu Lerasle, and Patricia Reynaud-Bouret. Family-Wise Separation Rates for multiple testing. *Annals of Statistics*, 44(6):2533–2563, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1479891627`.

Fallat:2017:TPM

[FLS+17] Shaun Fallat, Steffen Lauritzen, Kayvan Sadeghi, Caroline Uhler, Nanny Wermuth, and Piotr Zwiernik. Total positivity in Markov structures. *Annals of Statistics*, 45(3):1152–1184, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1497319691`.

Fan:2018:LSL

[FLSZ18] Jianqing Fan, Han Liu, Qiang Sun, and Tong Zhang. I-LAMM for sparse learning: Simultaneous control of algorithmic complexity and statistical error. *Annals of Statistics*, 46(2):814–841, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1522742437`.

Fan:2016:PPC

[FLW16] Jianqing Fan, Yuan Liao, and Weichen Wang. Projected principal component analysis in factor models. *Annals of Statistics*, 44(1):219–254, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1449755962`.

Fan:2018:LCE

[FLW18] Jianqing Fan, Han Liu, and Weichen Wang. Large covariance estimation through elliptical factor models. *Annals of Statistics*, 46(4):1383–1414, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1530086420`.

Fort:2011:CAI

[FMP11] G. Fort, E. Moulines, and P. Priouret. Convergence of adaptive and interacting Markov chain Monte Carlo algorithms. *Annals of Statistics*, 39(6):3262–3289, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1330958679`.

Fienberg:2012:MLE

[FR12] Stephen E. Fienberg and Alessandro Rinaldo. Maximum likelihood estimation in log-linear models. *Annals of Statistics*, 40(2):996–1023, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1342625459`.

Field:2013:REB

[FR13] Chris Field and John Robinson. Relative errors for bootstrap approximations of the serial correlation coefficient. *Annals of Statistics*, 41(2):1035–1053, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1369836969`.

Fan:2015:EFS

[FRW15] Jianqing Fan, Philippe Rigollet, and Weichen Wang. Estimation of functionals of sparse covariance matrices. *Annals of Statistics*, 43(6):2706–2737, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1444222090`.

Fryzlewicz:2014:WBS

[Fry14] Piotr Fryzlewicz. Wild binary segmentation for multiple change-point detection. *Annals of Statistics*, 42(6):2243–2281, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1413810727`.

Fryzlewicz:2018:TGB

[Fry18] Piotr Fryzlewicz. Tail-greedy bottom-up data decompositions and fast multiple change-point detection. *Annals of Statistics*, 46(6B):3390–3421, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536631278`.

Fan:2010:SIS

[FS10] Jianqing Fan and Rui Song. Sure independence screening in generalized linear models with NP-dimensionality. *Annals of Statistics*, 38(6):3567–3604, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126966`.

Feller:2017:ODD

[FSD+17] Chrystel Feller, Kirsten Schorning, Holger Dette, Georgina Bermann, and Björn Bornkamp. Optimal designs for dose response curves with common parameters. *Annals of Statistics*, 45(5):2102–2132, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Fan:2018:DSD

[FSZ18] Jianqing Fan, Qi-Man Shao, and Wen-Xin Zhou. Are discoveries spurious? Distributions of maximum spurious correlations and their applications. *Annals of Statistics*, 46(3):989–1017, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1525313073`.

Fuh:2006:ELE

[Fuh06] Cheng-Der Fuh. Efficient likelihood estimation in state space models. *Annals of Statistics*, 34(4):2026–2068, August 2006. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1162567642`. See comments [Jen10] and reply [Fuh10].

Fuh:2010:RSP

[Fuh10] Cheng-Der Fuh. Reply to "On some problems in the article Efficient Likelihood Estimation in State Space Models" by Cheng-Der Fuh [Ann. Statist. **34** (2006) 2026–2068]. *Annals of Statistics*, 38(2):1282–1285, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586631`. See [Fuh06, Jen10].

Fan:2019:DEP

[FWWZ19] Jianqing Fan, Dong Wang, Kaizheng Wang, and Ziwei Zhu. Distributed estimation of principal eigenspaces. *Annals of Statistics*, 47(6):3009–3031, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1572487381`.

Fan:2014:SOO

[FXZ14] Jianqing Fan, Lingzhou Xue, and Hui Zou. Strong oracle optimality of folded concave penalized estimation. *Annals of Statistics*, 42(3):819–849, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592644`.

Fan:2015:C

[FXZ15] Jianqing Fan, Lingzhou Xue, and Hui Zou. Correction. *Annals of Statistics*, 43(2):935, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1427115292`.

Ferrari:2010:MQL

[FY10] Davide Ferrari and Yuhong Yang. Maximum L_q-likelihood estimation. *Annals of Statistics*, 38(2):753–783, April 2010.

CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586613.

Francq:2013:INA

[FZ13] Christian Francq and Jean-Michel Zakoïan. Inference in nonstationary asymmetric GARCH models. *Annals of Statistics*, 41(4):1970–1998, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1382547510.

Fissler:2016:HOE

[FZ16] Tobias Fissler and Johanna F. Ziegel. Higher order elicitability and Osband's principle. *Annals of Statistics*, 44 (4):1680–1707, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894712. See correction [FZ21].

Feng:2019:SCP

[FZ19] Long Feng and Cun-Hui Zhang. Sorted concave penalized regression. *Annals of Statistics*, 47(6):3069–3098, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1572487384.

Fissler:2021:CNH

[FZ21] Tobias Fissler and Johanna F. Ziegel. Correction note: Higher order elicitability and Osband's principle. *Annals of Statistics*, 49(1):614, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Correction-note-Higher-order-elicitability-and-Osbands-principle/10.1214/20-AOS2014.full. See [FZ16].

Gao:2013:MDN

[Gao13] Fuqing Gao. Moderate deviations for a nonparametric estimator of sample coverage. *Annals of Statistics*, 41(2):641–669, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1366980560.

Gerber:2019:NAO

[GCW19] Mathieu Gerber, Nicolas Chopin, and Nick Whiteley. Negative association, ordering and convergence of resampling methods. *Annals of Statistics*, 47(4):2236–2260, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1558425644.

Ghoshdastidar:2017:CSH

[GD17] Debarghya Ghoshdastidar and Ambedkar Dukkipati. Consistency of spectral hypergraph partitioning under planted partition model. *Annals of Statistics*, 45(1):289–315, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667624.

Groeneboom:2018:CSL

[GH18] Piet Groeneboom and Kim Hendrickx. Current status linear regression. *Annals of Statistics*, 46(4):1415–1444, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086421.

Gronneberg:2019:PSP

[GH19] Steffen Grønneberg and Benjamin Holcblat. On partial-sum processes of ARMAX residuals. *Annals of Statistics*, 47(6):3216–3243, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1572487391.

Ghosal:2015:DFC

[Gho15] Subhashis Ghosal. Discussion of “Frequentist coverage of adaptive nonparametric Bayesian credible sets”. *Annals of Statistics*, 43(4):1455–1462, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546210. See [SvdVvZ15a].

Guo:2014:FRC

[GHS14] Wenge Guo, Li He, and Sanat K. Sarkar. Further results on controlling the false discovery proportion. *Annals of Statistics*, 42(3):1070–1101, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592652.

Groeneboom:2015:NCI

[GJ15] Piet Groeneboom and Geurt Jongbloed. Nonparametric confidence intervals for monotone functions. *Annals of Statistics*, 43(5):2019–2054, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1438606852.

Groeneboom:2010:MSL

[GJW10] Piet Groeneboom, Geurt Jongbloed, and Birgit I. Witte. Maximum smoothed likelihood estimation and smoothed maximum likelihood estimation in the current status model. *Annals of Statistics*, 38(1):352–387, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1262271618.

Goldberg:2012:QLC

[GK12] Yair Goldberg and Michael R. Kosorok. Q-learning with censored data. *Annals of Statistics*, 40(1):529–560, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1336396182.

Gadat:2016:CGF

[GKM16] Sébastien Gadat, Thierry Klein, and Clément Marteau. Classification in general finite dimensional spaces with the k-nearest neighbor rule. *Annals of Statistics*, 44(3):982–1009, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381684.

Goldenshluger:2011:BSK

[GL11] Alexander Goldenshluger and Oleg Lepski. Bandwidth selection in kernel density estimation: Oracle inequalities and adaptive minimax optimality. *Annals of Statistics*, 39(3):1608–1632, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1307452130.

Gehrmann:2012:EMG

[GL12] Helene Gehrmann and Steffen L. Lauritzen. Estimation of means in graphical Gaussian models with symmetries. *Annals of Statistics*, 40(2):1061–1073, April 2012. CODEN ASTSC7.

ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1342625461.

Gamarnik:2018:FLS

[GL18] David Gamarnik and Quan Li. Finding a large submatrix of a Gaussian random matrix. *Annals of Statistics*, 46 (6A):2511–2561, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307224.

Gloter:2018:JFE

[GLM18] Arnaud Gloter, Dasha Loukianova, and Hilmar Mai. Jump filtering and efficient drift estimation for Lévy-driven SDEs. *Annals of Statistics*, 46(4):1445–1480, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086422.

Gregory:2018:SBB

[GLN18] Karl B. Gregory, Soumendra N. Lahiri, and Daniel J. Nordman. A smooth block bootstrap for quantile regression with time series. *Annals of Statistics*, 46(3):1138–1166, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1525313078.

Gao:2015:ROG

[GLZ15] Chao Gao, Yu Lu, and Harrison H. Zhou. Rate-optimal graphon estimation. *Annals of Statistics*, 43(6):2624–2652, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1444222087.

Gao:2015:MES

[GMRZ15] Chao Gao, Zongming Ma, Zhao Ren, and Harrison H. Zhou. Minimax estimation in sparse canonical correlation analysis. *Annals of Statistics*, 43(5):2168–2197, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1442364149.

Gao:2017:SCA

[GMZ17] Chao Gao, Zongming Ma, and Harrison H. Zhou. Sparse CCA: Adaptive estimation and computational barriers. *Annals of Statistics*, 45(5):2074–2101, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Gao:2018:CDD

[GMZZ18] Chao Gao, Zongming Ma, Anderson Y. Zhang, and Harrison H. Zhou. Community detection in degree-corrected block models. *Annals of Statistics*, 46(5):2153–2185, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492832`.

Gine:2010:CBD

[GN10] Evarist Giné and Richard Nickl. Confidence bands in density estimation. *Annals of Statistics*, 38(2):1122–1170, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586625`.

Gine:2011:RCP

[GN11] Evarist Giné and Richard Nickl. Rates of contraction for posterior distributions in L^r-metrics, $1 \leq r \leq \infty$. *Annals of Statistics*, 39(6):2883–2911, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1327413772`.

Golubev:2010:AES

[GNZ10] Georgi K. Golubev, Michael Nussbaum, and Harrison H. Zhou. Asymptotic equivalence of spectral density estimation and Gaussian white noise. *Annals of Statistics*, 38(1):181–214, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271613`.

Godolphin:2018:DBS

[God18] Janet Godolphin. Designs with blocks of size two and applications to microarray experiments. *Annals of Statistics*, 46(6A):2775–2805, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307233`.

Golubev:2010:UOI

[Gol10] Yuri Golubev. On universal oracle inequalities related to high-dimensional linear models. *Annals of Statistics*, 38(5):2751–2780, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1279638539`.

Genovese:2012:MES

[GPPVW12] Christopher R. Genovese, Marco Perone-Pacifico, Isabella Verdinelli, and Larry Wasserman. Manifold estimation and singular deconvolution under Hausdorff loss. *Annals of Statistics*, 40(2):941–963, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1338515143.

Genovese:2014:NRE

[GPPVW14] Christopher R. Genovese, Marco Perone-Pacifico, Isabella Verdinelli, and Larry Wasserman. Nonparametric ridge estimation. *Annals of Statistics*, 42(4):1511–1545, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1407420007.

Gandy:2013:ACP

[GRD13] Axel Gandy and Patrick Rubin-Delanchy. An algorithm to compute the power of Monte Carlo tests with guaranteed precision. *Annals of Statistics*, 41(1):125–142, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1362493042.

Groeneboom:2014:MSL

[Gro14] Piet Groeneboom. Maximum smoothed likelihood estimators for the interval censoring model. *Annals of Statistics*, 42(5):2092–2137, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1410440635.

Giraud:2015:APN

[GRSP15] Christophe Giraud, François Roueff, and Andres Sanchez-Perez. Aggregation of predictors for nonstationary sub-linear processes and online adaptive forecasting of time varying autoregressive processes. *Annals of Statistics*, 43(6):2412–2450, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1444222080.

Goeman:2010:SRP

[GS10] Jelle J. Goeman and Aldo Solari. The sequential rejection principle of familywise error control. *Annals of Statis-*

tics, 38(6):3782–3810, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291126973.

Giraud:2012:DLV

[GT12] Christophe Giraud and Alexandre Tsybakov. Discussion: Latent variable graphical model selection via convex optimization. *Annals of Statistics*, 40(4):1984–1988, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1351602531.

Guntuboyina:2012:ORC

[Gun12] Adityanand Guntuboyina. Optimal rates of convergence for convex set estimation from support functions. *Annals of Statistics*, 40(1):385–411, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1334581747.

Gu:2018:RGS

[GWB18] Mengyang Gu, Xiaojing Wang, and James O. Berger. Robust Gaussian stochastic process emulation. *Annals of Statistics*, 46(6A):3038–3066, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307242.

Gromping:2014:GRO

[GX14] Ulrike Grömping and Hongquan Xu. Generalized resolution for orthogonal arrays. *Annals of Statistics*, 42(3):918–939, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592647.

Gao:2018:MDN

[GXZ18] Fuqing Gao, Jie Xiong, and Xingqiu Zhao. Moderate deviations and nonparametric inference for monotone functions. *Annals of Statistics*, 46(3):1225–1254, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1525313081.

Gao:2011:DML

[GZ11] Fuqing Gao and Xingqiu Zhao. Delta method in large deviations and moderate deviations for estimators. *Annals of*

Statistics, 39(2):1211–1240, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1304947048.

Gao:2015:ROP

[GZ15] Chao Gao and Harrison H. Zhou. Rate-optimal posterior contraction for sparse PCA. *Annals of Statistics*, 43(2):785–818, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1427115287.

Gao:2016:REB

[GZ16a] Chao Gao and Harrison H. Zhou. Rate exact Bayesian adaptation with modified block priors. *Annals of Statistics*, 44(1):318–345, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1449755965.

Gu:2016:HDG

[GZ16b] Yuwen Gu and Hui Zou. High-dimensional generalizations of asymmetric least squares regression and their applications. *Annals of Statistics*, 44(6):2661–2694, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891631.

Ho:2013:ATH

[HA13] Lam Si Tung Ho and Cécile Ané. Asymptotic theory with hierarchical autocorrelation: Ornstein–Uhlenbeck tree models. *Annals of Statistics*, 41(2):957–981, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1369836966.

Hanneke:2011:RCA

[Han11] Steve Hanneke. Rates of convergence in active learning. *Annals of Statistics*, 39(1):333–361, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291388378.

Han:2019:NSU

[Han19] Xu Han. Nonparametric screening under conditional strictly convex loss for ultrahigh dimensional sparse data. *Annals of*

Statistics, 47(4):1995–2022, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425637`.

Hsing:2016:LIS

[HBT16] Tailen Hsing, Thomas Brown, and Brian Thelen. Local intrinsic stationarity and its inference. *Annals of Statistics*, 44(5):2058–2088, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1473685268`.

He:2019:PVA

[HBZO19] Hera Y. He, Kinjal Basu, Qingyuan Zhao, and Art B. Owen. Permutation p-value approximation via generalized Stolarsky invariance. *Annals of Statistics*, 47(1):583–611, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1543568599`.

He:2018:SOA

[HCT18] Yuanzhen He, Ching-Shui Cheng, and Boxin Tang. Strong orthogonal arrays of strength two plus. *Annals of Statistics*, 46(2):457–468, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1522742425`.

Huckemann:2018:BND

[HE18] Stephan F. Huckemann and Benjamin Eltzner. Backward nested descriptors asymptotics with inference on stem cell differentiation. *Annals of Statistics*, 46(5):1994–2019, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492826`.

Hung:2019:RVE

[HF19] Kenneth Hung and William Fithian. Rank verification for exponential families. *Annals of Statistics*, 47(2):758–782, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197237`.

Hu:2012:APC

[HH12] Yanqing Hu and Feifang Hu. Asymptotic properties of covariate-adaptive randomization. *Annals of Statistics*, 40 (3):1794–1815, June 2012. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1350394517.

Hall:2013:SBM

[HH13] Peter Hall and Joel Horowitz. A simple bootstrap method for constructing nonparametric confidence bands for functions. *Annals of Statistics*, 41(4):1892–1921, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1378386242.

Huang:2010:VSN

[HHW10] Jian Huang, Joel L. Horowitz, and Fengrong Wei. Variable selection in nonparametric additive models. *Annals of Statistics*, 38(4):2282–2313, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861249.

Hsu:2019:MSF

[HIT19] Hsiang-Ling Hsu, Ching-Kang Ing, and Howell Tong. On model selection from a finite family of possibly misspecified time series models. *Annals of Statistics*, 47(2):1061–1087, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1547197248.

Hall:2010:IHC

[HJ10] Peter Hall and Jiashun Jin. Innovated higher criticism for detecting sparse signals in correlated noise. *Annals of Statistics*, 38(3):1686–1732, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1269452652.

He:2013:RMM

[HJY13] Yangbo He, Jinzhu Jia, and Bin Yu. Reversible MCMC on Markov equivalence classes of sparse directed acyclic graphs. *Annals of Statistics*, 41(4):1742–1779, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1378386238.

Huang:2016:PCS

[HJY16] Shiqiong Huang, Jiashun Jin, and Zhigang Yao. Partial correlation screening for estimating large precision matrices, with applications to classification. *Annals of Statistics*, 44(5):2018–2057, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685267.

Hormann:2010:WDF

[HK10] Siegfried Hörmann and Piotr Kokoszka. Weakly dependent functional data. *Annals of Statistics*, 38(3):1845–1884, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1269452656.

Heinrich:2018:SIO

[HK18] Philippe Heinrich and Jonas Kahn. Strong identifiability and optimal minimax rates for finite mixture estimation. *Annals of Statistics*, 46(6A):2844–2870, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307235.

Huckemann:2010:MDH

[HKKM10] Stephan F. Huckemann, Peter T. Kim, Ja-Yong Koo, and Axel Munk. Möbius deconvolution on the hyperbolic plane with application to impedance density estimation. *Annals of Statistics*, 38(4):2465–2498, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861254.

Haff:2011:MEM

[HKKR11] L. R. Haff, P. T. Kim, J.-Y. Koo, and D. St. P. Richards. Minimax estimation for mixtures of Wishart distributions. *Annals of Statistics*, 39(6):3417–3440, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1330958685.

Hormann:2018:TPF

[HKN18] Siegfried Hörmann, Piotr Kokoszka, and Gilles Nisol. Testing for periodicity in functional time series. *Annals of Statistics*, 46(6A):2960–2984, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307239.

Hong:2013:LFA

[HL13] Yongmiao Hong and Yoon-Jin Lee. A loss function approach to model specification testing and its relative efficiency. *Annals of Statistics*, 41(3):1166–1203, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1371150897.

Hirose:2018:EVR

[HL18] Masayo Yoshimori Hirose and Partha Lahiri. Estimating variance of random effects to solve multiple problems simultaneously. *Annals of Statistics*, 46(4):1721–1741, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086431.

Hu:2019:HDC

[HLLZ19] Jiang Hu, Weiming Li, Zhi Liu, and Wang Zhou. High-dimensional covariance matrices in elliptical distributions with application to spherical test. *Annals of Statistics*, 47(1):527–555, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568597.

Hall:2010:MVR

[HM10] Peter Hall and Hugh Miller. Modeling the variability of rankings. *Annals of Statistics*, 38(5):2652–2677, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861456.

Huang:2011:SLS

[HMLZ11] Jian Huang, Shuangge Ma, Hongzhe Li, and Cun-Hui Zhang. The sparse Laplacian shrinkage estimator for high-dimensional regression. *Annals of Statistics*, 39(4):2021–2046, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1314190622.

Hilgert:2013:MAT

[HMV13] Nadine Hilgert, André Mas, and Nicolas Verzelen. Minimax adaptive tests for the functional linear model. *Annals of Statistics*, 41(2):838–869, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1369836962.

Hoffmann:2011:AIC

[HN11] Marc Hoffmann and Richard Nickl. On adaptive inference and confidence bands. *Annals of Statistics*, 39(5):2383–2409, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1322663462`.

Ho:2016:CRP

[HN16] Nhat Ho and XuanLong Nguyen. Convergence rates of parameter estimation for some weakly identifiable finite mixtures. *Annals of Statistics*, 44(6):2726–2755, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1479891633`.

Hall:2010:OPC

[HP10] Peter Hall and Tung Pham. Optimal properties of centroid-based classifiers for very high-dimensional data. *Annals of Statistics*, 38(2):1071–1093, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586623`.

Han:2018:SBE

[HP18] Kyunghee Han and Byeong U. Park. Smooth backfitting for errors-in-variables additive models. *Annals of Statistics*, 46(5):2216–2250, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492834`.

Hallin:2010:MQM

[HPŠ10a] Marc Hallin, Davy Paindaveine, and Miroslav Šiman. Multivariate quantiles and multiple-output regression quantiles: From L_1 optimization to halfspace depth. *Annals of Statistics*, 38(2):635–669, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586607`.

Hallin:2010:R

[HPŠ10b] Marc Hallin, Davy Paindaveine, and Miroslav Šiman. Rejoinder. *Annals of Statistics*, 38(2):694–703, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586611`.

Hallin:2010:ORB

[HPV10] Marc Hallin, Davy Paindaveine, and Thomas Verdebout. Optimal rank-based testing for principal components. *Annals of Statistics*, 38(6):3245–3299, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1284988406.

Hall:2011:ANV

[HPWW11] Peter Hall, Tung Pham, M. P. Wand, and S. S. J. Wang. Asymptotic normality and valid inference for Gaussian variational approximation. *Annals of Statistics*, 39(5):2502–2532, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1322663466.

Han:2016:TWL

[HPZ16] Xiao Han, Guangming Pan, and Bo Zhang. The Tracy–Widom law for the largest eigenvalue of F type matrices. *Annals of Statistics*, 44(4):1564–1592, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894708.

Haaland:2011:AEL

[HQ11] Ben Haaland and Peter Z. G. Qian. Accurate emulators for large-scale computer experiments. *Annals of Statistics*, 39 (6):2974–3002, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1327413775.

He:2014:CLT

[HQ14] Xu He and Peter Z. G. Qian. A central limit theorem for general orthogonal array based space-filling designs. *Annals of Statistics*, 42(5):1725–1750, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1410440623.

Hualde:2011:GPM

[HR11] Javier Hualde and Peter M. Robinson. Gaussian pseudo-maximum likelihood estimation of fractional time series models. *Annals of Statistics*, 39(6):3152–3181, December 2011.

CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1330958676`.

Hoffmann:2015:APC

[HRSH15] Marc Hoffmann, Judith Rousseau, and Johannes Schmidt-Hieber. On adaptive posterior concentration rates. *Annals of Statistics*, 43(5):2259–2295, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1442364152`.

Hang:2017:BTI

[HS17] Hanyuan Hang and Ingo Steinwart. A Bernstein-type inequality for some mixing processes and dynamical systems with an application to learning. *Annals of Statistics*, 45(2):708–743, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1494921955`.

Heckel:2019:ARP

[HSRW19] Reinhard Heckel, Nihar B. Shah, Kannan Ramchandran, and Martin J. Wainwright. Active ranking from pairwise comparisons and when parametric assumptions do not help. *Annals of Statistics*, 47(6):3099–3126, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1572487385`.

Huang:2013:OIL

[HSY$^+$13] Jian Huang, Tingni Sun, Zhiliang Ying, Yi Yu, and Cun-Hui Zhang. Oracle inequalities for the lasso in the Cox model. *Annals of Statistics*, 41(3):1142–1165, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1371150896`.

He:2014:CSO

[HT14] Yuanzhen He and Boxin Tang. A characterization of strong orthogonal arrays of strength three. *Annals of Statistics*, 42(4):1347–1360, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1403715203`.

Han:2017:OBC

[HTX17] Dong Han, Fugee Tsung, and Jinguo Xian. On the optimality of Bayesian change-point detection. *Annals of Statistics*, 45(4):1375–1402, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1498636860`.

Huang:2010:TCI

[Hua10a] Tzee-Ming Huang. Testing conditional independence using maximal nonlinear conditional correlation. *Annals of Statistics*, 38(4):2047–2091, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1278861242`.

Huang:2010:QCC

[Hua10b] Yijian Huang. Quantile calculus and censored regression. *Annals of Statistics*, 38(3):1607–1637, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1269452649`.

Huckemann:2011:IIM

[Huc11] Stephan F. Huckemann. Intrinsic inference on the mean geodesic of planar shapes and tree discrimination by leaf growth. *Annals of Statistics*, 39(2):1098–1124, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1304947045`.

Han:2016:AEC

[HW16a] Qiyang Han and Jon A. Wellner. Approximation and estimation of s-concave densities via Rényi divergences. *Annals of Statistics*, 44(3):1332–1359, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1460381695`.

Hayashi:2016:IGA

[HW16b] Masahito Hayashi and Shun Watanabe. Information geometry approach to parameter estimation in Markov chains. *Annals of Statistics*, 44(4):1495–1535, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1467894706`.

Hu:2017:RDD

[HW17] Rui Hu and Douglas P. Wiens. Robust discrimination designs over Hellinger neighbourhoods. *Annals of Statistics*, 45(4):1638–1663, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1498636869`.

Han:2019:CRL

[HW19] Qiyang Han and Jon A. Wellner. Convergence rates of least squares regression estimators with heavy-tailed errors. *Annals of Statistics*, 47(4):2286–2319, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425646`.

Han:2019:IRG

[HWCS19] Qiyang Han, Tengyao Wang, Sabyasachi Chatterjee, and Richard J. Samworth. Isotonic regression in general dimensions. *Annals of Statistics*, 47(5):2440–2471, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797853`.

He:2013:CQA

[HWH13a] Xuming He, Lan Wang, and Hyokyoung Grace Hong. Correction: "Quantile-adaptive model-free variable screening for high-dimensional heterogeneous data". *Annals of Statistics*, 41(5):2699, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1386598636`. See [HWH13b].

He:2013:QAM

[HWH13b] Xuming He, Lan Wang, and Hyokyoung Grace Hong. Quantile-adaptive model-free variable screening for high-dimensional heterogeneous data. *Annals of Statistics*, 41 (1):342–369, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1364302746`. See correction [HWH13a].

Hu:2015:SLO

[HYS15] Linwei Hu, Min Yang, and John Stufken. Saturated locally optimal designs under differentiable optimality criteria. *Annals of Statistics*, 43(1):30–56, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1416322035`.

Huang:2010:BGS

[HZ10] Junzhou Huang and Tong Zhang. The benefit of group sparsity. *Annals of Statistics*, 38(4):1978–2004, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1278861240`.

Ionides:2011:IF

[IBAK11] Edward L. Ionides, Anindya Bhadra, Yves Atchadé, and Aaron King. Iterated filtering. *Annals of Statistics*, 39(3):1776–1802, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1311600283`.

Ilmonen:2011:SEI

[IP11] Pauliina Ilmonen and Davy Paindaveine. Semiparametrically efficient inference based on signed ranks in symmetric independent component models. *Annals of Statistics*, 39(5):2448–2476, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1322663464`.

Ingster:2012:MSD

[ISS12] Yuri I. Ingster, Theofanis Sapatinas, and Irina A. Suslina. Minimax signal detection in ill-posed inverse problems. *Annals of Statistics*, 40(3):1524–1549, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1346850064`.

Jacob:2010:CLS

[Jac10] Christine Jacob. Conditional least squares estimation in nonstationary nonlinear stochastic regression models. *Annals of Statistics*, 38(1):566–597, February 2010. CODEN ASTSC7.

ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1262271624.

James:2017:BPC

[Jam17] Lancelot F. James. Bayesian Poisson calculus for latent feature modeling via generalized Indian Buffet Process priors. *Annals of Statistics*, 45(5):2016–2045, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Jankowski:2014:CLF

[Jan14] Hanna Jankowski. Convergence of linear functionals of the Grenander estimator under misspecification. *Annals of Statistics*, 42(2):625–653, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592172.

Johndrow:2017:TDS

[JBD17] James E. Johndrow, Anirban Bhattacharya, and David B. Dunson. Tensor decompositions and sparse log-linear models. *Annals of Statistics*, 45(1):1–38, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667616.

Janzing:2013:QCI

[JBGWS13] Dominik Janzing, David Balduzzi, Moritz Grosse-Wentrup, and Bernhard Schölkopf. Quantifying causal influences. *Annals of Statistics*, 41(5):2324–2358, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1383661266.

Jensen:2010:SPA

[Jen10] Jens Ledet Jensen. On some problems in the article “Efficient Likelihood Estimation in State Space Models” by Cheng–Der Fuh [Ann. Statist. **34** (2006) 2026–2068]. *Annals of Statistics*, 38(2):1279–1281, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586630. See [Fuh06].

Jiang:2010:EAM

[JFF10] Jiancheng Jiang, Yingying Fan, and Jianqing Fan. Estimation in additive models with highly or nonhighly correlated covariates. *Annals of Statistics*, 38(3):1403–1432, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1268056621`.

Johnson:2012:VTO

[JG12] Leif T. Johnson and Charles J. Geyer. Variable transformation to obtain geometric ergodicity in the random-walk Metropolis algorithm. *Annals of Statistics*, 40(6):3050–3076, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1361542074`. See correction [JG13].

Johnson:2013:CVT

[JG13] Leif T. Johnson and Charles J. Geyer. Correction: "Variable transformation to obtain geometric ergodicity in the random-walk Metropolis algorithm". *Annals of Statistics*, 41(5):2698, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1386598635`. See [JG12].

Jiang:2013:SAC

[Jia13] Jiming Jiang. The subset argument and consistency of MLE in GLMM: Answer to an open problem and beyond. *Annals of Statistics*, 41(1):177–195, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1362493044`.

Jin:2015:FCD

[Jin15] Jiashun Jin. Fast community detection by SCORE. *Annals of Statistics*, 43(1):57–89, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1416322036`.

Jirak:2012:SCB

[Jir12] Moritz Jirak. Simultaneous confidence bands for Yule–Walker estimators and order selection. *Annals of Statistics*, 40(1):494–528, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1336396181`.

Jirak:2015:UCP

[Jir15] Moritz Jirak. Uniform change point tests in high dimension. *Annals of Statistics*, 43(6):2451–2483, December 2015.

CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1444222081.

Ji:2012:UDO

[JJ12] Pengsheng Ji and Jiashun Jin. UPS delivers optimal phase diagram in high-dimensional variable selection. *Annals of Statistics*, 40(1):73–103, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1331830775.

Jing:2012:MHF

[JKL12] Bing-Yi Jing, Xin-Bing Kong, and Zhi Liu. Modeling high-frequency financial data by pure jump processes. *Annals of Statistics*, 40(2):759–784, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1337268211.

Juditsky:2012:AGR

[JKNP12] Anatoli Juditsky, Fatma Kılınç Karzan, Arkadi Nemirovski, and Boris Polyak. Accuracy guarantees for ℓ_1 recovery of block-sparse signals. *Annals of Statistics*, 40(6):3077–3107, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1361542075.

Jin:2017:PTH

[JKW17] Jiashun Jin, Zheng Tracy Ke, and Wanjie Wang. Phase transitions for high dimensional clustering and related problems. *Annals of Statistics*, 45(5):2151–2189, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Jiang:2014:VSG

[JL14] Bo Jiang and Jun S. Liu. Variable selection for general index models via sliced inverse regression. *Annals of Statistics*, 42(5):1751–1786, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1410440624.

Jiang:2016:HDM

[JLP+16] Jiming Jiang, Cong Li, Debashis Paul, Can Yang, and Hongyu Zhao. On high-dimensional misspecified mixed model analysis in genome-wide association study. *Annals of Statistics*, 44(5):2127–2160, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1473685271`.

Jiang:2017:REA

[JLX17] Tiefeng Jiang, Kevin Leder, and Gongjun Xu. Rare-event analysis for extremal eigenvalues of white Wishart matrices. *Annals of Statistics*, 45(4):1609–1637, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1498636868`.

Javanmard:2018:DLO

[JM18a] Adel Javanmard and Andrea Montanari. Debiasing the lasso: Optimal sample size for Gaussian designs. *Annals of Statistics*, 46(6A):2593–2622, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307227`.

Javanmard:2018:ORC

[JM18b] Adel Javanmard and Andrea Montanari. Online rules for control of false discovery rate and false discovery exceedance. *Annals of Statistics*, 46(2):526–554, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1522742428`.

Jirak:2014:AFE

[JMR14] Moritz Jirak, Alexander Meister, and Markus Reiß. Adaptive function estimation in nonparametric regression with one-sided errors. *Annals of Statistics*, 42(5):1970–2002, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1410440631`.

Jiang:2015:FKS

[JMW15] Fei Jiang, Yanyuan Ma, and Yuanjia Wang. Fused kernel-spline smoothing for repeatedly measured outcomes in a generalized partially linear model with functional single index. *Annals of Statistics*, 43(5):1929–1958, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1438606849`.

Juditsky:2018:NOL

[JN18] Anatoli Juditsky and Arkadi Nemirovski. Near-optimality of linear recovery in Gaussian observation scheme under $\|\cdot\|_2^2$-loss. *Annals of Statistics*, 46(4):1603–1629, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1530086427`.

Johnson:2013:UMP

[Joh13] Valen E. Johnson. Uniformly most powerful Bayesian tests. *Annals of Statistics*, 41(4):1716–1741, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1378386237`.

Jacod:2013:TRV

[JP13] Jean Jacod and Mark Podolskij. A test for the rank of the volatility process: The random perturbation approach. *Annals of Statistics*, 41(5):2391–2427, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1383661268`.

Jentsch:2015:CME

[JP15] Carsten Jentsch and Dimitris N. Politis. Covariance matrix estimation and linear process bootstrap for multivariate time series of possibly increasing dimension. *Annals of Statistics*, 43(3):1117–1140, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1431695640`.

Jing:2010:NES

[JPSZ10] Bing-Yi Jing, Guangming Pan, Qi-Man Shao, and Wang Zhou. Nonparametric estimate of spectral density functions of sample covariance matrices: A first step. *Annals of Statistics*, 38(6):3724–3750, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126971`.

Jacod:2010:LTM

[JPV10] Jean Jacod, Mark Podolskij, and Mathias Vetter. Limit theorems for moving averages of discretized processes plus noise. *Annals of Statistics*, 38(3):1478–1545, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1269452645.

Jacod:2013:QOF

[JR13] Jean Jacod and Mathieu Rosenbaum. Quarticity and other functionals of volatility: Efficient estimation. *Annals of Statistics*, 41(3):1462–1484, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1375362556.

Jacod:2014:EEI

[JT14] Jean Jacod and Viktor Todorov. Efficient estimation of integrated volatility in presence of infinite variation jumps. *Annals of Statistics*, 42(3):1029–1069, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592651.

Jacob:2015:NUE

[JT15] Pierre E. Jacob and Alexandre H. Thiery. On nonnegative unbiased estimators. *Annals of Statistics*, 43(2):769–784, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1425398508.

Jankova:2018:SEB

[JvdG18] Jana Janková and Sara van de Geer. Semiparametric efficiency bounds for high-dimensional models. *Annals of Statistics*, 46(5):2336–2359, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1534492838.

Jiang:2010:CAF

[JW10] Ci-Ren Jiang and Jane-Ling Wang. Covariate adjusted functional principal components analysis for longitudinal data. *Annals of Statistics*, 38(2):1194–1226, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586627.

Jiang:2011:FSI

[JW11] Ci-Ren Jiang and Jane-Ling Wang. Functional single index models for longitudinal data. *Annals of Statistics*, 39(1):362–388, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291388379`.

Jiang:2015:CIR

[JW15] Ci-Ren Jiang and Jane-Ling Wang. Correction to "Inverse regression for longitudinal data". *Annals of Statistics*, 43(5):2326–2329, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1442364154`. See [JYW14].

Jin:2016:IFP

[JW16a] Jiashun Jin and Wanjie Wang. Influential features PCA for high dimensional clustering. *Annals of Statistics*, 44 (6):2323–2359, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1479891617`. See discussion [ACV16, Nad16, CZ16, ST16b] and rejoinder [JW16b].

Jin:2016:RIF

[JW16b] Jiashun Jin and Wanjie Wang. Rejoinder: "Influential features PCA for high dimensional clustering". *Annals of Statistics*, 44(6):2387–2400, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1479891622`.

Jiang:2018:CCD

[JWJW18] Bai Jiang, Tung-Yu Wu, Yifan Jin, and Wing H. Wong. Convergence of contrastive divergence algorithm in exponential family. *Annals of Statistics*, 46(6A):3067–3098, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307243`.

Jimenez:2011:NES

[JY11] Raúl Jiménez and J. E. Yukich. Nonparametric estimation of surface integrals. *Annals of Statistics*, 39(1):232–260, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291388374.

Jiang:2013:CLT

[JY13] Tiefeng Jiang and Fan Yang. Central limit theorems for classical likelihood ratio tests for high-dimensional normal distributions. *Annals of Statistics*, 41(4):2029–2074, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1382547512.

Joseph:2016:IRS

[JY16] Antony Joseph and Bin Yu. Impact of regularization on spectral clustering. *Annals of Statistics*, 44(4):1765–1791, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894715.

Jiang:2014:IRL

[JYW14] Ci-Ren Jiang, Wei Yu, and Jane-Ling Wang. Inverse regression for longitudinal data. *Annals of Statistics*, 42(2):563–591, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592170. See correction [JW15].

Kim:2010:OT

[KA10] Min Hee Kim and Michael G. Akritas. Order thresholding. *Annals of Statistics*, 38(4):2314–2350, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861250.

Kato:2012:EFL

[Kat12] Kengo Kato. Estimation in functional linear quantile regression. *Annals of Statistics*, 40(6):3108–3136, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1361542076.

Kato:2013:QBA

[Kat13] Kengo Kato. Quasi-Bayesian analysis of nonparametric instrumental variables models. *Annals of Statistics*, 41(5):2359–2390, October 2013. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1383661267.

Kaufmann:2018:BIP

[Kau18] Emilie Kaufmann. On Bayesian index policies for sequential resource allocation. *Annals of Statistics*, 46(2):842–865, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1522742438.

Koopmeiners:2011:APS

[KF11] Joseph S. Koopmeiners and Ziding Feng. Asymptotic properties of the sequential empirical ROC, PPV and NPV curves under case-control sampling. *Annals of Statistics*, 39 (6):3234–3261, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1330958678.

Kyung:2010:EDR

[KGC10] Minjung Kyung, Jeff Gill, and George Casella. Estimation in Dirichlet random effects models. *Annals of Statistics*, 38(2):979–1009, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586620.

Kim:2018:ALC

[KGS18] Arlene K. H. Kim, Adityanand Guntuboyina, and Richard J. Samworth. Adaptation in log-concave density estimation. *Annals of Statistics*, 46(5):2279–2306, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1534492836.

Khare:2011:SAC

[KH11] Kshitij Khare and James P. Hobert. A spectral analytic comparison of trace-class data augmentation algorithms and their sandwich variants. *Annals of Statistics*, 39(5):2585–2606, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1324563348.

Khmaladze:2013:NDF

[Khm13] Estate Khmaladze. Note on distribution free testing for discrete distributions. *Annals of Statistics*, 41(6):2979–2993, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1388545675.

Kim:2016:CMS

[KJ16] Yongdai Kim and Jong-June Jeon. Consistent model selection criteria for quadratically supported risks. *Annals of Statistics*, 44(6):2467–2496, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891625.

Ke:2014:CAS

[KJF14] Zheng Tracy Ke, Jiashun Jin, and Jianqing Fan. Covariate assisted screening and estimation. *Annals of Statistics*, 42(6):2202–2242, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1413810726.

Koltchinskii:2017:NAC

[KL17] Vladimir Koltchinskii and Karim Lounici. Normal approximation and concentration of spectral projectors of sample covariance. *Annals of Statistics*, 45(1):121–157, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667619.

Kong:2017:IPH

[KLFL17] Yinfei Kong, Daoji Li, Yingying Fan, and Jinchi Lv. Interaction pursuit in high-dimensional multi-response regression via distance correlation. *Annals of Statistics*, 45(2):897–922, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1494921961.

Kong:2015:TPJ

[KLJ15] Xin-Bing Kong, Zhi Liu, and Bing-Yi Jing. Testing for pure-jump processes for high-frequency data. *Annals of Statistics*, 43(2):847–877, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1427115289.

Kaiser:2012:GFT

[KLN12] Mark S. Kaiser, Soumendra N. Lahiri, and Daniel J. Nordman. Goodness of fit tests for a class of Markov random field models. *Annals of Statistics*, 40(1):104–130, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1331830776.

Koltchinskii:2011:NNP

[KLT11] Vladimir Koltchinskii, Karim Lounici, and Alexandre B. Tsybakov. Nuclear-norm penalization and optimal rates for noisy low-rank matrix completion. *Annals of Statistics*, 39 (5):2302–2329, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1322663459.

Kai:2011:NEE

[KLZ11] Bo Kai, Runze Li, and Hui Zou. New efficient estimation and variable selection methods for semiparametric varying-coefficient partially linear models. *Annals of Statistics*, 39(1):305–332, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291388377.

Ke:2016:SIP

[KLZ16] Yuan Ke, Jialiang Li, and Wenyang Zhang. Structure identification in panel data analysis. *Annals of Statistics*, 44(3):1193–1233, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381691.

Klemela:2010:ERM

[KM10a] Jussi Klemelä and Enno Mammen. Empirical risk minimization in inverse problems. *Annals of Statistics*, 38(1):482–511, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1262271621.

Koenker:2010:QCD

[KM10b] Roger Koenker and Ivan Mizera. Quasi-concave density estimation. *Annals of Statistics*, 38(5):2998–3027, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1282315406.

Kong:2010:D

[KM10c] Linglong Kong and Ivan Mizera. Discussion. *Annals of Statistics*, 38(2):685–693, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586610.

Kuipers:2014:ASG

[KMH14] Jack Kuipers, Giusi Moffa, and David Heckerman. Addendum on the scoring of Gaussian directed acyclic graphical models. *Annals of Statistics*, 42(4):1689–1691, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1407420013.

Koul:2012:TPT

[KMS12] Hira L. Koul, Ursula U. Müller, and Anton Schick. The transfer principle: A tool for complete case analysis. *Annals of Statistics*, 40(6):3031–3049, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1360332192.

Kerkyacharian:2011:LSD

[KNP11] Gérard Kerkyacharian, Thanh Mai Pham Ngoc, and Dominique Picard. Localized spherical deconvolution. *Annals of Statistics*, 39(2):1042–1068, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1302268086.

Krauthgamer:2015:DSR

[KNV15] Robert Krauthgamer, Boaz Nadler, and Dan Vilenchik. Do semidefinite relaxations solve sparse PCA up to the information limit? *Annals of Statistics*, 43(3):1300–1322, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1431695645.

Koike:2019:GAM

[Koi19] Yuta Koike. Gaussian approximation of maxima of Wiener functionals and its application to high-frequency data. *Annals of Statistics*, 47(3):1663–1687, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026853.

Koltchinskii:2011:NEP

[Kol11] Vladimir Koltchinskii. Von Neumann entropy penalization and low-rank matrix estimation. *Annals of Statistics*, 39 (6):2936–2973, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1327413774`.

Kong:2018:SIV

[Kon18] Xin-Bing Kong. On the systematic and idiosyncratic volatility with large panel high-frequency data. *Annals of Statistics*, 46(3):1077–1108, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1525313076`.

Kirch:2011:TBR

[KP11] Claudia Kirch and Dimitris N. Politis. TFT-bootstrap: Resampling time series in the frequency domain to obtain replicates in the time domain. *Annals of Statistics*, 39(3):1427–1470, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1305292042`.

Klopp:2015:SHD

[KP15] Olga Klopp and Marianna Pensky. Sparse high-dimensional varying coefficient model: Nonasymptotic minimax study. *Annals of Statistics*, 43(3):1273–1299, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1431695644`.

Kontorovich:2019:ELB

[KP19] Aryeh Kontorovich and Iosif Pinelis. Exact lower bounds for the agnostic probably-approximately-correct (PAC) machine learning model. *Annals of Statistics*, 47(5):2822–2854, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797865`.

Kreiss:2011:RVA

[KPP11] Jens-Peter Kreiss, Efstathios Paparoditis, and Dimitris N. Politis. On the range of validity of the autoregressive sieve bootstrap. *Annals of Statistics*, 39(4):2103–2130, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1319595460.

Kneip:2016:FLR

[KPS16] Alois Kneip, Dominik Poß, and Pascal Sarda. Functional linear regression with points of impact. *Annals of Statistics*, 44(1):1–30, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1449755955.

Khare:2017:BAE

[KPS17] Kshitij Khare, Subhadip Pal, and Zhihua Su. A Bayesian approach for envelope models. *Annals of Statistics*, 45 (1):196–222, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667621.

Khare:2011:WDD

[KR11a] Kshitij Khare and Bala Rajaratnam. Wishart distributions for decomposable covariance graph models. *Annals of Statistics*, 39(1):514–555, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1297779855.

Kolassa:2011:SAL

[KR11b] John Kolassa and John Robinson. Saddlepoint approximations for likelihood ratio like statistics with applications to permutation tests. *Annals of Statistics*, 39(6):3357–3368, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1330958682.

Koltchinskii:2013:LRE

[KR13] Vladimir Koltchinskii and Pedro Rangel. Low rank estimation of smooth kernels on graphs. *Annals of Statistics*, 41(2):604–640, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1366980559.

Kalogeropoulos:2010:ISV

[KRD10] Konstantinos Kalogeropoulos, Gareth O. Roberts, and Petros Dellaportas. Inference for stochastic volatility models using time change transformations. *Annals of Statistics*, 38(2):784–807, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586614`.

Kubjas:2015:FPE

[KRS15] Kaie Kubjas, Elina Robeva, and Bernd Sturmfels. Fixed points EM algorithm and nonnegative rank boundaries. *Annals of Statistics*, 43(1):422–461, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1423230085`.

Kneip:2011:FMV

[KS11] Alois Kneip and Pascal Sarda. Factor models and variable selection in high-dimensional regression analysis. *Annals of Statistics*, 39(5):2410–2447, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1322663463`.

Kim:2016:GRC

[KS16] Arlene K. H. Kim and Richard J. Samworth. Global rates of convergence in log-concave density estimation. *Annals of Statistics*, 44(6):2756–2779, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1479891634`.

Koul:2018:GFT

[KSZ18] Hira L. Koul, Weixing Song, and Xiaoqing Zhu. Goodness-of-fit testing of error distribution in linear measurement error models. *Annals of Statistics*, 46(5):2479–2510, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492842`.

Klopp:2017:OIN

[KTV17] Olga Klopp, Alexandre B. Tsybakov, and Nicolas Verzelen. Oracle inequalities for network models and sparse graphon estimation. *Annals of Statistics*, 45(1):316–354, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1487667625`.

Kuelbs:2010:AIH

[KV10] Jim Kuelbs and Anand N. Vidyashankar. Asymptotic inference for high-dimensional data. *Annals of Statistics*, 38(2):836–869, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586616.

Kong:2017:SES

[KV17] Weihao Kong and Gregory Valiant. Spectrum estimation from samples. *Annals of Statistics*, 45(5):2218–2247, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Knapik:2011:BIP

[KvdVvZ11] B. T. Knapik, A. W. van der Vaart, and J. H. van Zanten. Bayesian inverse problems with Gaussian priors. *Annals of Statistics*, 39(5):2626–2657, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1324563350.

Kong:2014:ACQ

[KX14] Efang Kong and Yingcun Xia. An adaptive composite quantile approach to dimension reduction. *Annals of Statistics*, 42(4):1657–1688, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1407420012.

Koltchinskii:2010:SMK

[KY10] Vladimir Koltchinskii and Ming Yuan. Sparsity in multiple kernel learning. *Annals of Statistics*, 38(6):3660–3695, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291126969.

Lahiri:2010:EES

[Lah10] S. N. Lahiri. Edgeworth expansions for studentized statistics under weak dependence. *Annals of Statistics*, 38(1):388–434, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1262271619.

Li:2011:PSV

[LAL11] Bing Li, Andreas Artemiou, and Lexin Li. Principal support vector machines for linear and nonlinear sufficient dimension reduction. *Annals of Statistics*, 39(6):3182–3210, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1330958677`.

Lam:2016:NER

[Lam16] Clifford Lam. Nonparametric eigenvalue-regularized precision or covariance matrix estimator. *Annals of Statistics*, 44(3):928–953, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1460381682`.

Liu:2015:MPL

[LAP15] Haoyang Liu, Alexander Aue, and Debashis Paul. On the Marčenko–Pastur law for linear time series. *Annals of Statistics*, 43(2):675–712, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1425398505`.

Lin:2010:NFM

[LBST10] C. Devon Lin, Derek Bingham, Randy R. Sitter, and Boxin Tang. A new and flexible method for constructing designs for computer experiments. *Annals of Statistics*, 38(3):1460–1477, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1268056623`.

Liu:2010:AEL

[LC10] Yukun Liu and Jiahua Chen. Adjusted empirical likelihood with high-order precision. *Annals of Statistics*, 38(3):1341–1362, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1268056619`.

Li:2012:TST

[LC12] Jun Li and Song Xi Chen. Two sample tests for high-dimensional covariance matrices. *Annals of Statistics*, 40(2):908–940, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1338515142`.

Leung:2018:TIH

[LD18] Dennis Leung and Mathias Drton. Testing independence in high dimensions with sums of rank correlations. *Annals of Statistics*, 46(1):280–307, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Leeb:2013:CDL

[Lee13] Hannes Leeb. On the conditional distributions of low-dimensional projections from high-dimensional data. *Annals of Statistics*, 41(2):464–483, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1366138198.

Lei:2016:GFT

[Lei16] Jing Lei. A goodness-of-fit test for stochastic block models. *Annals of Statistics*, 44(1):401–424, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1452004791.

Lepski:2013:MDE

[Lep13] Oleg Lepski. Multivariate density estimation under sup-norm loss: Oracle approach, adaptation and independence structure. *Annals of Statistics*, 41(2):1005–1034, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1369836968.

Lepski:2015:AEA

[Lep15] Oleg Lepski. Adaptive estimation over anisotropic functional classes via oracle approach. *Annals of Statistics*, 43(3):1178–1242, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1431695642.

Lerasle:2011:OMS

[Ler11] Matthieu Lerasle. Optimal model selection for density estimation of stationary data under various mixing conditions. *Annals of Statistics*, 39(4):1852–1877, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1311688538.

Levrard:2015:NBV

[Lev15] Clément Levrard. Nonasymptotic bounds for vector quantization in Hilbert spaces. *Annals of Statistics*, 43(2):592–619, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1424787429`.

Li:2017:BDI

[LG17] Meng Li and Subhashis Ghosal. Bayesian detection of image boundaries. *Annals of Statistics*, 45(5):2190–2217, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Lai:2011:EPF

[LGS11] Tze Leung Lai, Shulamith T. Gross, and David Bo Shen. Evaluating probability forecasts. *Annals of Statistics*, 39 (5):2356–2382, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1322663461`.

Li:2010:DDE

[LH10a] Yehua Li and Tailen Hsing. Deciding the dimension of effective dimension reduction space for functional and high-dimensional data. *Annals of Statistics*, 38(5):3028–3062, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1283175988`.

Li:2010:UCR

[LH10b] Yehua Li and Tailen Hsing. Uniform convergence rates for nonparametric regression and principal component analysis in functional/longitudinal data. *Annals of Statistics*, 38 (6):3321–3351, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1284988408`.

Liu:2012:HDS

[LHY$^+$12] Han Liu, Fang Han, Ming Yuan, John Lafferty, and Larry Wasserman. High-dimensional semiparametric Gaussian copula graphical models. *Annals of Statistics*, 40(4):2293–2326, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1358951383`.

Li:2013:MLE

[Li13] Chenxu Li. Maximum-likelihood estimation for diffusion processes via closed-form density expansions. *Annals of Statistics*, 41(3):1350–1380, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1372979641.

Li:2014:SOA

[Li14] Ke Li. Second-order asymptotics for quantum hypothesis testing. *Annals of Statistics*, 42(1):171–189, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1392733184.

Li:2016:DQS

[Li16a] Ke Li. Discriminating quantum states: The multiple Chernoff distance. *Annals of Statistics*, 44(4):1661–1679, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894711.

Li:2016:E

[Li16b] Runze Li. Editorial. *Annals of Statistics*, 44(5):1817–1820, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685257.

Liang:2010:TAS

[Lia10] Faming Liang. Trajectory averaging for stochastic approximation MCMC algorithms. *Annals of Statistics*, 38 (5):2823–2856, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1279638541.

Liu:2013:GGM

[Liu13] Weidong Liu. Gaussian graphical model estimation with false discovery rate control. *Annals of Statistics*, 41(6):2948–2978, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1388545674.

Liu:2017:SSD

[Liu17] Weidong Liu. Structural similarity and difference testing on multiple sparse Gaussian graphical models. *Annals of Statistics*, 45(6):2680–2707, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Liao:2010:BAM

[LJ10] Yuan Liao and Wenxin Jiang. Bayesian analysis in moment inequality models. *Annals of Statistics*, 38(1):275–316, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271616`.

Liao:2011:PCN

[LJ11] Yuan Liao and Wenxin Jiang. Posterior consistency of nonparametric conditional moment restricted models. *Annals of Statistics*, 39(6):3003–3031, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1327413776`.

Li:2018:MTA

[LJ18] Jialiang Li and Baisuo Jin. Multi-threshold accelerated failure time model. *Annals of Statistics*, 46(6A):2657–2682, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307229`.

Lloyd:2010:LES

[LK10] Chris Lloyd and Paul Kabaila. Letter to the Editor: Some comments on "On construction of the smallest one-sided confidence interval for the difference of two proportions". *Annals of Statistics*, 38(6):3840–3841, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126977`.

Li:2010:DFM

[LKA10] Bing Li, Min Kyung Kim, and Naomi Altman. On dimension folding of matrix- or array-valued statistical objects. *Annals of Statistics*, 38(2):1094–1121, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586624`.

Li:2015:MSS

[LKZ15] Degui Li, Yuan Ke, and Wenyang Zhang. Model selection and structure specification in ultra-high dimensional generalised semi-varying coefficient models. *Annals of Statistics*, 43(6):2676–2705, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1444222089`.

Levy-Leduc:2011:APU

[LLBM+11] C. Lévy-Leduc, H. Boistard, E. Moulines, M. S. Taqqu, and V. A. Reisen. Asymptotic properties of U-processes under long-range dependence. *Annals of Statistics*, 39(3):1399–1426, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1305292041`.

Lee:2013:GTN

[LLC13] Kuang-Yao Lee, Bing Li, and Francesca Chiaromonte. A general theory for nonlinear sufficient dimension reduction: Formulation and estimation. *Annals of Statistics*, 41(1):221–249, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1364302741`.

Lee:2019:MPC

[LLL19] Kyoungjae Lee, Jaeyong Lee, and Lizhen Lin. Minimax posterior convergence rates and model selection consistency in high-dimensional DAG models based on sparse Cholesky factors. *Annals of Statistics*, 47(6):3413–3437, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1572487398`.

Lv:2018:OIS

[LLLH18] Shaogao Lv, Huazhen Lin, Heng Lian, and Jian Huang. Oracle inequalities for sparse additive quantile regression in reproducing kernel Hilbert space. *Annals of Statistics*, 46(2):781–813, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1522742436`.

Liang:2010:ETP

[LLLT10] Hua Liang, Xiang Liu, Runze Li, and Chih-Ling Tsai. Estimation and testing for partially linear single-index models. *Annals of Statistics*, 38(6):3811–3836, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126974`.

Le:2016:OLR

[LLV16] Can M. Le, Elizaveta Levina, and Roman Vershynin. Optimization via low-rank approximation for community detection in networks. *Annals of Statistics*, 44(1):373–400, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1452004790`.

Li:2019:EEI

[LLX19] Jia Li, Yunxiao Liu, and Dacheng Xiu. Efficient estimation of integrated volatility functionals via multiscale jackknife. *Annals of Statistics*, 47(1):156–176, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1543568585`.

Luo:2014:EDR

[LLY14] Wei Luo, Bing Li, and Xiangrong Yin. On efficient dimension reduction with respect to a statistical functional of interest. *Annals of Statistics*, 42(1):382–412, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1395234982`.

Li:2018:CIC

[LLY18] Xiaoou Li, Jingchen Liu, and Zhiliang Ying. Chernoff index for Cox test of separate parametric families. *Annals of Statistics*, 46(1):1–29, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Li:2019:THD

[LLYY19] Zeng Li, Clifford Lam, Jianfeng Yao, and Qiwei Yao. On testing for high-dimensional white noise. *Annals of Statistics*, 47(6):3382–3412, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1572487397`.

Lahiri:2012:PEL

[LM12a] Soumendra N. Lahiri and Subhadeep Mukhopadhyay. A penalized empirical likelihood method in high dimensions. *Annals of Statistics*, 40(5):2511–2540, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1359987529`.

Lauritzen:2012:DLV

[LM12b] Steffen Lauritzen and Nicolai Meinshausen. Discussion: Latent variable graphical model selection via convex optimization. *Annals of Statistics*, 40(4):1973–1977, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1351602529`.

Lecue:2012:GNO

[LM12c] Guillaume Lecué and Shahar Mendelson. General nonexact oracle inequalities for classes with a subexponential envelope. *Annals of Statistics*, 40(2):832–860, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1338515139`.

Letac:2012:BFG

[LM12d] Gérard Letac and Hélène Massam. Bayes factors and the geometry of discrete hierarchical loglinear models. *Annals of Statistics*, 40(2):861–890, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1338515140`.

Low:2015:DFC

[LM15] Mark G. Low and Zongming Ma. Discussion of "Frequentist coverage of adaptive nonparametric Bayesian credible sets". *Annals of Statistics*, 43(4):1448–1454, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1434546209`. See [SvdVvZ15a].

Lecue:2018:RSB

[LM18] Guillaume Lecué and Shahar Mendelson. Regularization and the small-ball method I: Sparse recovery. *Annals of Statistics*, 46(2):611–641, April 2018. CODEN ASTSC7. ISSN

0090-5364. URL http://projecteuclid.org/euclid.aos/1522742431.

Lugosi:2019:SGE

[LM19] Gábor Lugosi and Shahar Mendelson. Sub-Gaussian estimators of the mean of a random vector. *Annals of Statistics*, 47(2):783–794, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1547197238.

Lee:2015:ASD

[LMNP15] Young K. Lee, Enno Mammen, Jens P. Nielsen, and Byeong U. Park. Asymptotics for in-sample density forecasting. *Annals of Statistics*, 43(2):620–651, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1425398503.

Lee:2017:OTS

[LMNP17] Young K. Lee, Enno Mammen, Jens P. Nielsen, and Byeong U. Park. Operational time and in-sample density forecasting. *Annals of Statistics*, 45(3):1312–1341, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1497319696.

Lee:2010:BSB

[LMP10] Young Kyung Lee, Enno Mammen, and Byeong U. Park. Backfitting and smooth backfitting for additive quantile models. *Annals of Statistics*, 38(5):2857–2883, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1279638542.

Lee:2012:BSB

[LMP12a] Young K. Lee, Enno Mammen, and Byeong U. Park. Backfitting and smooth backfitting for additive quantile models. *Annals of Statistics*, 40(4):2356–2357, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1358951385.

Lee:2012:FGV

[LMP12b] Young K. Lee, Enno Mammen, and Byeong U. Park. Flexible generalized varying coefficient regression models. *Annals of*

Statistics, 40(3):1906–1933, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1350394521.

Lounici:2018:ASN

[LMP18] Karim Lounici, Katia Meziani, and Gabriel Peyré. Adaptive sup-norm estimation of the Wigner function in noisy quantum homodyne tomography. *Annals of Statistics*, 46(3):1318–1351, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1525313084.

Lin:2018:MIP

[LMY18] Zhenhua Lin, Hans-Georg Müller, and Fang Yao. Mixture inner product spaces and their application to functional data analysis. *Annals of Statistics*, 46(1):370–400, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Lin:2019:ODN

[LMY19] Yi Lin, Ryan Martin, and Min Yang. On optimal designs for nonregular models. *Annals of Statistics*, 47(6):3335–3359, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1572487395.

Lounici:2011:GUR

[LN11] Karim Lounici and Richard Nickl. Global uniform risk bounds for wavelet deconvolution estimators. *Annals of Statistics*, 39(1):201–231, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291388373.

Loh:2015:ESG

[Loh15] Wei-Liem Loh. Estimating the smoothness of a Gaussian random field from irregularly spaced data via higher-order quadratic variations. *Annals of Statistics*, 43(6):2766–2794, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1444222092.

Loh:2017:SCA

[Loh17] Po-Ling Loh. Statistical consistency and asymptotic normality for high-dimensional robust M-estimators. *Annals* *of Statistics*, 45(2):866–896, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1494921960`.

Lok:2017:MCO

[Lok17] Judith J. Lok. Mimicking counterfactual outcomes to estimate causal effects. *Annals of Statistics*, 45(2):461–499, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1494921947`.

Lopes:2019:EAV

[Lop19] Miles E. Lopes. Estimating the algorithmic variance of randomized ensembles via the bootstrap. *Annals of Statistics*, 47(2):1088–1112, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197249`.

Leonenko:2010:CCR

[LP10] Nikolai Leonenko and Luc Pronzato. Correction: "A class of Rényi information estimators for multidimensional densities". *Annals of Statistics*, 38(6):3837–3838, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126975`. See [LPS08].

Lin:2017:ODF

[LPK17] Yuan-Lung Lin, Frederick Kin Hing Phoa, and Ming-Hung Kao. Optimal design of fMRI experiments using circulant (almost-)orthogonal arrays. *Annals of Statistics*, 45(6):2483–2510, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Leonenko:2008:CRI

[LPS08] Nikolai Leonenko, Luc Pronzato, and Vippal Savani. A class of Rényi information estimators for multidimensional densities. *Annals of Statistics*, 36(5):2153–2182, October 2008. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1223908088`. See correction [LP10].

Lounici:2011:OIO

[LPvdGT11] Karim Lounici, Massimiliano Pontil, Sara van de Geer, and Alexandre B. Tsybakov. Oracle inequalities and optimal inference under group sparsity. *Annals of Statistics*, 39(4):2164–2204, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1319595462.

Li:2012:RRC

[LPZZ12] Gaorong Li, Heng Peng, Jun Zhang, and Lixing Zhu. Robust rank correlation based screening. *Annals of Statistics*, 40(3):1846–1877, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1350394519.

Lecue:2014:OLQ

[LR14] Guillaume Lecué and Philippe Rigollet. Optimal learning with Q-aggregation. *Annals of Statistics*, 42(1):211–224, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1392733186.

Lei:2015:CSC

[LR15] Jing Lei and Alessandro Rinaldo. Consistency of spectral clustering in stochastic block models. *Annals of Statistics*, 43(1):215–237, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1418135620.

Liu:2010:CTM

[LS10] Weidong Liu and Qi-Man Shao. Cramér-type moderate deviation for the maximum of the periodogram with application to simultaneous tests in gene expression time series. *Annals of Statistics*, 38(3):1913–1935, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1271271282.

Liu:2013:CMD

[LS13] Weidong Liu and Qi-Man Shao. A Cramér moderate deviation theorem for Hotelling's T^2-statistic with applications to global tests. *Annals of Statistics*, 41(1):296–322, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1364302744.

Lepski:2014:AEU

[LS14] Oleg Lepski and Nora Serdyukova. Adaptive estimation under single-index constraint in a regression model. *Annals of Statistics*, 42(1):1–28, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1389795743`.

Li:2017:NSD

[LS17] Bing Li and Jun Song. Nonlinear sufficient dimension reduction for functional data. *Annals of Statistics*, 45(3):1059–1095, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1497319688`.

Lauritzen:2018:UMP

[LS18] Steffen Lauritzen and Kayvan Sadeghi. Unifying Markov properties for graphical models. *Annals of Statistics*, 46 (5):2251–2278, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492835`.

Liu:2017:SCD

[LSR+17] Song Liu, Taiji Suzuki, Raissa Relator, Jun Sese, Masashi Sugiyama, and Kenji Fukumizu. Support consistency of direct sparse-change learning in Markov networks. *Annals of Statistics*, 45(3):959–990, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1497319685`.

Lee:2016:EPS

[LSST16] Jason D. Lee, Dennis L. Sun, Yuekai Sun, and Jonathan E. Taylor. Exact post-selection inference, with application to the lasso. *Annals of Statistics*, 44(3):907–927, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1460381681`.

Li:2016:ENR

[LTG16] Degui Li, Dag Tjøstheim, and Jiti Gao. Estimation in nonlinear regression with Harris recurrent Markov chains. *Annals of Statistics*, 44(5):1957–1987, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1473685265`.

Li:2013:VOT

[LTT13] Jia Li, Viktor Todorov, and George Tauchen. Volatility occupation times. *Annals of Statistics*, 41(4):1865–1891, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1378386241`.

Lockhart:2014:CRS

[LTTT14a] Richard Lockhart, Jonathan Taylor, Ryan J. Tibshirani, and Robert Tibshirani. Correction to rejoinder to "A significance test for the Lasso". *Annals of Statistics*, 42(5):2138–2139, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1413810450`.

Lockhart:2014:RST

[LTTT14b] Richard Lockhart, Jonathan Taylor, Ryan J. Tibshirani, and Robert Tibshirani. Rejoinder: "A significance test for the lasso". *Annals of Statistics*, 42(2):518–531, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592168`. See [LTTT14c].

Lockhart:2014:STL

[LTTT14c] Richard Lockhart, Jonathan Taylor, Ryan J. Tibshirani, and Robert Tibshirani. A significance test for the lasso. *Annals of Statistics*, 42(2):413–468, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592161`. See discussionBuhlmann:2014:DST,Cai:2014:DST,Fan:2014:DST,Lv:2014:DST,Wasserman:2014:DST,Buja:2014:DST,Lockhart:2014:RST.

Lauritzen:2019:MLE

[LUZ19] Steffen Lauritzen, Caroline Uhler, and Piotr Zwiernik. Maximum likelihood estimation in Gaussian models under total positivity. *Annals of Statistics*, 47(4):1835–1863, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425632`.

Lv:2013:IHD

[Lv13] Jinchi Lv. Impacts of high dimensionality in finite samples. *Annals of Statistics*, 41(4):2236–2262, August 2013. CO-

DEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1382547520.

Lei:2015:SAI

[LV15] Jing Lei and Vincent Q. Vu. Sparsistency and agnostic inference in sparse PCA. *Annals of Statistics*, 43(1):299–322, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1423230081.

Luedtke:2016:SIM

[LvdL16] Alexander R. Luedtke and Mark J. van der Laan. Statistical inference for the mean outcome under a possibly non-unique optimal treatment strategy. *Annals of Statistics*, 44(2):713–742, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245733.

Liu:2010:SNI

[LW10] Weidong Liu and Wei Biao Wu. Simultaneous nonparametric inference of time series. *Annals of Statistics*, 38(4):2388–2421, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861252.

Ledoit:2012:NSE

[LW12a] Olivier Ledoit and Michael Wolf. Nonlinear shrinkage estimation of large-dimensional covariance matrices. *Annals of Statistics*, 40(2):1024–1060, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1342625460.

Loh:2012:HDR

[LW12b] Po-Ling Loh and Martin J. Wainwright. High-dimensional regression with noisy and missing data: Provable guarantees with nonconvexity. *Annals of Statistics*, 40(3):1637–1664, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1346850068.

Loh:2013:SED

[LW13] Po-Ling Loh and Martin J. Wainwright. Structure estimation for discrete graphical models: Generalized covariance matrices and their inverses. *Annals of Statistics*, 41(6):3022–3049, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1388545677.

Loh:2017:SRI

[LW17] Po-Ling Loh and Martin J. Wainwright. Support recovery without incoherence: a case for nonconvex regularization. *Annals of Statistics*, 45(6):2455–2482, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Lepski:2019:OIA

[LW19] O. V. Lepski and T. Willer. Oracle inequalities and adaptive estimation in the convolution structure density model. *Annals of Statistics*, 47(1):233–287, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568588.

Li:2017:INF

[LWY17] Zeng Li, Qinwen Wang, and Jianfeng Yao. Identifying the number of factors from singular values of a large sample auto-covariance matrix. *Annals of Statistics*, 45(1):257–288, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1487667623.

Liu:2012:SAR

[LX12] Jingchen Liu and Gongjun Xu. Some asymptotic results of Gaussian random fields with varying mean functions and the associated processes. *Annals of Statistics*, 40(1):262–293, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1333029965.

Lei:2016:ESC

[LXQ16] Huang Lei, Yingcun Xia, and Xu Qin. Estimation of semivarying coefficient time series models with ARMA errors. *Annals of Statistics*, 44(4):1618–1660, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894710.

Liu:2011:PNP

[LY11] Wei Liu and Yuhong Yang. Parametric or nonparametric? A parametricness index for model selection. *Annals of Statistics*, 39(4):2074–2102, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1319595459.

Lam:2012:FMH

[LY12] Clifford Lam and Qiwei Yao. Factor modeling for high-dimensional time series: Inference for the number of factors. *Annals of Statistics*, 40(2):694–726, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1337268209.

Lin:2019:IRF

[LY19] Zhenhua Lin and Fang Yao. Intrinsic Riemannian functional data analysis. *Annals of Statistics*, 47(6):3533–3577, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1572487402.

Liu:2016:GSF

[LYL16] Hongcheng Liu, Tao Yao, and Runze Li. Global solutions to folded concave penalized nonconvex learning. *Annals of Statistics*, 44(2):629–659, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245730.

Li:2011:EPL

[LYW+11] Ting-Ting Li, Hu Yang, Jane-Ling Wang, Liu-Gen Xue, and Li-Xing Zhu. Estimation for a partial-linear single-index model. *Annals of Statistics*, 39(6):3441–3443, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1330958686.

Lerman:2011:RRM

[LZ11] Gilad Lerman and Teng Zhang. Robust recovery of multiple subspaces by geometric l_p minimization. *Annals of Statistics*, 39(5):2686–2715, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1324563352.

Lv:2014:DST

[LZ14] Jinchi Lv and Zemin Zheng. Discussion: "A significance test for the lasso". *Annals of Statistics*, 42(2):493–500, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592165`. See [LTTT14c].

Li:2017:ROP

[LZ17] Jun Li and Ping-Shou Zhong. A rate optimal procedure for recovering sparse differences between high-dimensional means under dependence. *Annals of Statistics*, 45(2):557–590, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1494921950`.

Li:2015:ODP

[LZA15] Kang Li, Wei Zheng, and Mingyao Ai. Optimal designs for the proportional interference model. *Annals of Statistics*, 43(4):1596–1616, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1434546216`.

Lin:2018:CSS

[LZL18] Qian Lin, Zhigen Zhao, and Jun S. Liu. On consistency and sparsity for sliced inverse regression in high dimensions. *Annals of Statistics*, 46(2):580–610, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1522742430`.

Lian:2019:PSE

[LZL19] Heng Lian, Kaifeng Zhao, and Shaogao Lv. Projected spline estimation of the nonparametric function in high-dimensional partially linear models for massive data. *Annals of Statistics*, 47(5):2922–2949, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797868`.

Lee:2010:CPP

[LZW10] Seunggeun Lee, Fei Zou, and Fred A. Wright. Convergence and prediction of principal component scores in high-dimensional settings. *Annals of Statistics*, 38(6):3605–3629, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291126967.

Ma:2012:TSS

[Ma12] Shujie Ma. Two-step spline estimating equations for generalized additive partially linear models with large cluster sizes. *Annals of Statistics*, 40(6):2943–2972, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1360332189.

Ma:2013:SPC

[Ma13] Zongming Ma. Sparse principal component analysis and iterative thresholding. *Annals of Statistics*, 41(2):772–801, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1368018173.

Masuda:2013:CGQ

[Mas13] Hiroki Masuda. Convergence of Gaussian quasi-likelihood random fields for ergodic Lévy driven SDE observed at high frequency. *Annals of Statistics*, 41(3):1593–1641, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1375362561.

Meinshausen:2015:MEI

[MB15] Nicolai Meinshausen and Peter Bühlmann. Maximin effects in inhomogeneous large-scale data. *Annals of Statistics*, 43(4):1801–1830, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546223.

Mei:2018:LER

[MBM18] Song Mei, Yu Bai, and Andrea Montanari. The landscape of empirical risk for nonconvex losses. *Annals of Statistics*, 46(6A):2747–2774, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307232.

Maathuis:2015:GBD

[MC15] Marloes H. Maathuis and Diego Colombo. A generalized back-door criterion. *Annals of Statistics*, 43(3):1060–1088, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1431695638`.

Ma:2015:EIG

[MCLX15] Shujie Ma, Raymond J. Carroll, Hua Liang, and Shizhong Xu. Estimation and inference in generalized additive coefficient models for nonlinear interactions with high-dimensional covariates. *Annals of Statistics*, 43(5):2102–2131, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1438606855`.

Maire:2014:CAV

[MDO14] Florian Maire, Randal Douc, and Jimmy Olsson. Comparison of asymptotic variances of inhomogeneous Markov chains with application to Markov chain Monte Carlo methods. *Annals of Statistics*, 42(4):1483–1510, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1407420006`.

Meister:2011:AEF

[Mei11] Alexander Meister. Asymptotic equivalence of functional linear regression and a white noise inverse problem. *Annals of Statistics*, 39(3):1471–1495, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1305292043`.

Mendelson:2017:LVG

[Men17] Shahar Mendelson. “Local” vs. “global” parameters — breaking the Gaussian complexity barrier. *Annals of Statistics*, 45(5):1835–1862, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Maruyama:2011:FBF

[MG11] Yuzo Maruyama and Edward I. George. Fully Bayes factors with a generalized g-prior. *Annals of Statistics*, 39(5):2740–2765, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1324563354`.

Moreno:2010:COB

[MGC10] Elías Moreno, F. Javier Girón, and George Casella. Consistency of objective Bayes factors as the model dimension grows. *Annals of Statistics*, 38(4):1937–1952, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861238.

McCullagh:2011:BTI

[MH11] Peter McCullagh and Han Han. On Bayes's theorem for improper mixtures. *Annals of Statistics*, 39(4):2007–2020, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1314190621.

Miller:2013:ESC

[MH13] Jeffrey W. Miller and Matthew T. Harrison. Exact sampling and counting for fixed-margin matrices. *Annals of Statistics*, 41(3):1569–1592, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1375362560.

McElroy:2014:ATC

[MH14] Tucker S. McElroy and Scott H. Holan. Asymptotic theory of cepstral random fields. *Annals of Statistics*, 42(1):64–86, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1389795745.

Ma:2016:ISI

[MH16] Shujie Ma and Xuming He. Inference for single-index quantile regression models with profile optimization. *Annals of Statistics*, 44(3):1234–1268, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381692.

Minsker:2018:SGE

[Min18] Stanislav Minsker. Sub-Gaussian estimators of the mean of a random matrix with heavy-tailed entries. *Annals of Statistics*, 46(6A):2871–2903, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536307236.

Mukherjee:2015:EME

[MJ15] Gourab Mukherjee and Iain M. Johnstone. Exact minimax estimation of the predictive density in sparse Gaussian models. *Annals of Statistics*, 43(3):937–961, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1431695634`.

Mak:2018:SP

[MJ18] Simon Mak and V. Roshan Joseph. Support points. *Annals of Statistics*, 46(6A):2562–2592, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307226`.

Molina:2018:EBP

[MM18] Isabel Molina and Nirian Martín. Empirical best prediction under a nested error model with log transformation. *Annals of Statistics*, 46(5):1961–1993, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492825`.

Meinshausen:2011:AOW

[MMB11] Nicolai Meinshausen, Marloes H. Maathuis, and Peter Bühlmann. Asymptotic optimality of the Westfall–Young permutation procedure for multiple testing under dependence. *Annals of Statistics*, 39(6):3369–3391, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1330958683`.

Mousavi:2017:CPE

[MMB17] Ali Mousavi, Arian Maleki, and Richard G. Baraniuk. Consistent parameter estimation for LASSO and approximate message passing. *Annals of Statistics*, 45(6):2427–2454, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Mousavi:2018:CPE

[MMB18] Ali Mousavi, Arian Maleki, and Richard G. Baraniuk. Consistent parameter estimation for LASSO and approximate message passing. *Annals of Statistics*, 46(1):119–148, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

McGoff:2015:CML

[MMNP15] Kevin McGoff, Sayan Mukherjee, Andrew Nobel, and Natesh Pillai. Consistency of maximum likelihood estimation for some dynamical systems. *Annals of Statistics*, 43(1):1–29, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1416322034`.

Mukherjee:2018:DTM

[MMS18] Rajarshi Mukherjee, Sumit Mukherjee, and Subhabrata Sen. Detection thresholds for the β-model on sparse graphs. *Annals of Statistics*, 46(3):1288–1317, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1525313083`.

Mukherjee:2018:GTA

[MMY18] Rajarshi Mukherjee, Sumit Mukherjee, and Ming Yuan. Global testing against sparse alternatives under Ising models. *Annals of Statistics*, 46(5):2062–2093, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492829`.

Mendelson:2010:RKL

[MN10] Shahar Mendelson and Joseph Neeman. Regularization in kernel learning. *Annals of Statistics*, 38(1):526–565, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271623`.

Monard:2019:ENB

[MNP19] François Monard, Richard Nickl, and Gabriel P. Paternain. Efficient nonparametric Bayesian inference for X-ray transforms. *Annals of Statistics*, 47(2):1113–1147, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197250`.

Metelkina:2017:IRC

[MP17] Asya Metelkina and Luc Pronzato. Information-regret compromise in covariate-adaptive treatment allocation. *Annals of Statistics*, 45(5):2046–2073, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Mukherjee:2015:HTH

[MPL15] Rajarshi Mukherjee, Natesh S. Pillai, and Xihong Lin. Hypothesis testing for high-dimensional sparse binary regression. *Annals of Statistics*, 43(1):352–381, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1423230083`.

Markaryan:2010:EPE

[MR10] Tigran Markaryan and William F. Rosenberger. Exact properties of Efron's biased coin randomization procedure. *Annals of Statistics*, 38(3):1546–1567, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1269452646`.

Morgan:2012:RIC

[MR12] Kari Lock Morgan and Donald B. Rubin. Rerandomization to improve covariate balance in experiments. *Annals of Statistics*, 40(2):1263–1282, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1342625468`.

Mammen:2012:NRN

[MRS12] Enno Mammen, Christoph Rothe, and Melanie Schienle. Nonparametric regression with nonparametrically generated covariates. *Annals of Statistics*, 40(2):1132–1170, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1342625464`.

McKeague:2010:FPI

[MS10a] Ian W. McKeague and Bodhisattva Sen. Fractals with point impact in functional linear regression. *Annals of Statistics*, 38(4):2559–2586, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1278861257`.

Mijatovic:2010:GOP

[MS10b] Aleksandar Mijatović and Paul Schneider. Globally optimal parameter estimates for nonlinear diffusions. *Annals of Statistics*, 38(1):215–245, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271614`.

Mukerjee:2013:CST

[MT13] Rahul Mukerjee and Boxin Tang. A complementary set theory for quaternary code designs. *Annals of Statistics*, 41 (6):2768–2785, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1387313389.

Mukherjee:2016:EEF

[Muk16] Sumit Mukherjee. Estimation in exponential families on permutations. *Annals of Statistics*, 44(2):853–875, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245737.

Muller:2016:PHF

[Mül16] Hans-Georg Müller. Peter Hall, functional data analysis and random objects. *Annals of Statistics*, 44(5):1867–1887, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685261.

Ma:2015:CBM

[MW15] Zongming Ma and Yihong Wu. Computational barriers in minimax submatrix detection. *Annals of Statistics*, 43(3):1089–1116, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1431695639.

Massam:2016:NPD

[MW16] Hélène Massam and Jacek Wesolowski. A new prior for discrete DAG models with a restricted set of directions. *Annals of Statistics*, 44(3):1010–1037, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381685.

Muller:2010:EDL

[MY10] Hans-Georg Müller and Fang Yao. Empirical dynamics for longitudinal data. *Annals of Statistics*, 38(6):3458–3486, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291126964.

Ma:2013:EES

[MZ13] Yanyuan Ma and Liping Zhu. Efficient estimation in sufficient dimension reduction. *Annals of Statistics*, 41(1):250–268, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1364302742`.

Mai:2015:FKF

[MZ15] Qing Mai and Hui Zou. The fused Kolmogorov filter: A nonparametric model-free screening method. *Annals of Statistics*, 43(4):1471–1497, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1434546212`.

Ma:2019:REA

[MZZ+19] Shujie Ma, Liping Zhu, Zhiwei Zhang, Chih-Ling Tsai, and Raymond J. Carroll. A robust and efficient approach to causal inference based on sparse sufficient dimension reduction. *Annals of Statistics*, 47(3):1505–1535, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1550026847`.

Nadler:2016:DIF

[Nad16] Boaz Nadler. Discussion of "Influential features PCA for high dimensional clustering". *Annals of Statistics*, 44(6): 2366–2371, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1479891619`. See [JW16a, JW16b].

Nordman:2013:NEL

[NBL13] Daniel J. Nordman, Helle Bunzel, and Soumendra N. Lahiri. A nonstandard empirical likelihood for time series. *Annals of Statistics*, 41(6):3050–3073, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1388545678`.

Newton:2010:GBC

[NC10] Michael A. Newton and Lisa M. Chung. Gamma-based clustering via ordered means with application to gene-expression analysis. *Annals of Statistics*, 38(6):3217–3244, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1284988405`.

Nguyen:2013:CLM

[Ngu13] XuanLong Nguyen. Convergence of latent mixing measures in finite and infinite mixture models. *Annals of Statistics*, 41(1):370–400, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1364302747`.

Narisetty:2014:BVS

[NH14] Naveen Naidu Narisetty and Xuming He. Bayesian variable selection with shrinking and diffusing priors. *Annals of Statistics*, 42(2):789–817, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592178`.

Nandy:2018:HDC

[NHM18] Preetam Nandy, Alain Hauser, and Marloes H. Maathuis. High-dimensional consistency in score-based and hybrid structure learning. *Annals of Statistics*, 46(6A):3151–3183, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307246`.

Nickl:2015:DFC

[Nic15] Richard Nickl. Discussion of "Frequentist coverage of adaptive nonparametric Bayesian credible sets". *Annals of Statistics*, 43(4):1429–1436, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1434546206`. See [SvdVvZ15a].

Naghshvar:2013:ASH

[NJ13] Mohammad Naghshvar and Tara Javidi. Active sequential hypothesis testing. *Annals of Statistics*, 41(6):2703–2738, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1387313387`.

Neumann:2018:MOC

[NK18] Christoph Neumann and Joachim Kunert. On MSE-optimal crossover designs. *Annals of Statistics*, 46(6A):2939–2959, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307238`.

Ning:2017:GTH

[NL17] Yang Ning and Han Liu. A general theory of hypothesis tests and confidence regions for sparse high dimensional models. *Annals of Statistics*, 45(1):158–195, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1487667620`.

Neykov:2019:PTH

[NL19] Matey Neykov and Han Liu. Property testing in high-dimensional Ising models. *Annals of Statistics*, 47(5): 2472–2503, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797854`.

Neykov:2019:CIG

[NLL19] Matey Neykov, Junwei Lu, and Han Liu. Combinatorial inference for graphical models. *Annals of Statistics*, 47(2):795–827, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197239`.

Nandy:2017:EEJ

[NMR17] Preetam Nandy, Marloes H. Maathuis, and Thomas S. Richardson. Estimating the effect of joint interventions from observational data in sparse high-dimensional settings. *Annals of Statistics*, 45(2):647–674, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1494921953`.

Norets:2010:ACD

[Nor10] Andriy Norets. Approximation of conditional densities by smooth mixtures of regressions. *Annals of Statistics*, 38(3):1733–1766, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1269452653`.

Neuvial:2012:FDR

[NR12] Pierre Neuvial and Etienne Roquain. On false discovery rate thresholding for classification under sparsity. *Annals of*

Statistics, 40(5):2572–2600, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1359987531.

Nussbaum:2011:AEB

[NS11] Michael Nussbaum and Arleta Szkoła. An asymptotic error bound for testing multiple quantum hypotheses. *Annals of Statistics*, 39(6):3211–3233, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1336568601.

Nickl:2017:NBP

[NS17] Richard Nickl and Jakob Söhl. Nonparametric Bayesian posterior contraction rates for discretely observed scalar diffusions. *Annals of Statistics*, 45(4):1664–1693, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1498636870.

Nickl:2013:CSS

[NvdG13] Richard Nickl and Sara van de Geer. Confidence sets in sparse regression. *Annals of Statistics*, 41(6):2852–2876, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1387313392.

Negahban:2011:ENL

[NW11] Sahand Negahban and Martin J. Wainwright. Estimation of (near) low-rank matrices with noise and high-dimensional scaling. *Annals of Statistics*, 39(2):1069–1097, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1304947044.

Nye:2011:PCA

[Nye11] Tom M. W. Nye. Principal components analysis in the space of phylogenetic trees. *Annals of Statistics*, 39(5):2716–2739, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1324563353.

Ning:2017:LRF

[NZL17] Yang Ning, Tianqi Zhao, and Han Liu. A likelihood ratio framework for high-dimensional semiparametric regression. *Annals of Statistics*, 45(6):2299–2327, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Olshen:2013:CSN

[OB13] Richard A. Olshen and Bala Brajaratnam. Correction: "Successive normalization of rectangular arrays". *Annals of Statistics*, 41(5):2700–2702, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1386598637`. See [OR10].

Onatski:2013:APS

[OMH13] Alexei Onatski, Marcelo J. Moreira, and Marc Hallin. Asymptotic power of sphericity tests for high-dimensional data. *Annals of Statistics*, 41(3):1204–1231, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1371150898`.

Onatski:2014:SDH

[OMH14] Alexei Onatski, Marcelo J. Moreira, and Marc Hallin. Signal detection in high dimension: The multispiked case. *Annals of Statistics*, 42(1):225–254, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1395234977`.

Overgaard:2017:ATG

[OPP17] Morten Overgaard, Erik Thorlund Parner, and Jan Pedersen. Asymptotic theory of generalized estimating equations based on jack-knife pseudo-observations. *Annals of Statistics*, 45(5):1988–2015, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Olshen:2010:SNR

[OR10] Richard A. Olshen and Bala Rajaratnam. Successive normalization of rectangular arrays. *Annals of Statistics*, 38(3):1638–1664, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1269452650`. See correction [OB13].

Obozinski:2011:SUR

[OWJ11] Guillaume Obozinski, Martin J. Wainwright, and Michael I. Jordan. Support union recovery in high-dimensional multivariate regression. *Annals of Statistics*, 39(1):1–47, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291388368.

Pomatto:2014:MTO

[PANS14] Luciano Pomatto, Nabil Al-Najjar, and Alvaro Sandroni. Merging and testing opinions. *Annals of Statistics*, 42 (3):1003–1028, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592650.

Paparoditis:2018:SBF

[Pap18] Efstathios Paparoditis. Sieve bootstrap for functional time series. *Annals of Statistics*, 46(6B):3510–3538, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631282.

Pati:2014:PCS

[PBPD14] Debdeep Pati, Anirban Bhattacharya, Natesh S. Pillai, and David Dunson. Posterior contraction in sparse Bayesian factor models for massive covariance matrices. *Annals of Statistics*, 42(3):1102–1130, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592653.

Parry:2012:PLS

[PDL12] Matthew Parry, A. Philip Dawid, and Steffen Lauritzen. Proper local scoring rules. *Annals of Statistics*, 40 (1):561–592, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1336396183.

Pensky:2013:SIL

[Pen13] Marianna Pensky. Spatially inhomogeneous linear inverse problems with possible singularities. *Annals of Statistics*, 41(5):2668–2697, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1384871349.

Pensky:2016:SLI

[Pen16] Marianna Pensky. Solution of linear ill-posed problems using overcomplete dictionaries. *Annals of Statistics*, 44 (4):1739–1764, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1467894714`.

Pensky:2017:MTE

[Pen17] Marianna Pensky. Minimax theory of estimation of linear functionals of the deconvolution density with or without sparsity. *Annals of Statistics*, 45(4):1516–1541, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1498636865`.

Pennec:2018:BSA

[Pen18] Xavier Pennec. Barycentric subspace analysis on manifolds. *Annals of Statistics*, 46(6A):2711–2746, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307231`.

Pensky:2019:DNM

[Pen19] Marianna Pensky. Dynamic network models and graphon estimation. *Annals of Statistics*, 47(4):2378–2403, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425649`.

Phoa:2012:CAA

[Pho12] Frederick K. H. Phoa. A code arithmetic approach for quaternary code designs and its application to (1/64)th-fractions. *Annals of Statistics*, 40(6):3161–3175, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1361542078`.

Pena:2011:PEM

[PHW11] Edsel A. Peña, Joshua D. Habiger, and Wensong Wu. Power-enhanced multiple decision functions controlling family-wise error and false discovery rates. *Annals of Statistics*, 39 (1):556–583, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1297779856`.

Park:2010:ADC

[PJS10] Byeong U. Park, Seok-Oh Jeong, and Léopold Simar. Asymptotic distribution of conical-hull estimators of directional edges. *Annals of Statistics*, 38(3):1320–1340, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1268056618`.

Papavasiliou:2011:PER

[PL11] Anastasia Papavasiliou and Christophe Ladroue. Parameter estimation for rough differential equations. *Annals of Statistics*, 39(4):2047–2073, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1319595458`.

Petersen:2016:FDA

[PM16a] Alexander Petersen and Hans-Georg Müller. Functional data analysis for density functions by transformation to a Hilbert space. *Annals of Statistics*, 44(1):183–218, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1449755961`.

Pillai:2016:UEC

[PM16b] Natesh S. Pillai and Xiao-Li Meng. An unexpected encounter with Cauchy and Lévy. *Annals of Statistics*, 44(5):2089–2097, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1473685269`.

Petersen:2019:FRR

[PM19] Alexander Petersen and Hans-Georg Müller. Fréchet regression for random objects with Euclidean predictors. *Annals of Statistics*, 47(2):691–719, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197235`.

Palma:2010:EEL

[PO10] Wilfredo Palma and Ricardo Olea. An efficient estimator for locally stationary Gaussian long-memory processes. *Annals of Statistics*, 38(5):2958–2997, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1282315405`.

Portnoy:2012:NRA

[Por12] Stephen Portnoy. Nearly root-n approximation for regression quantile processes. *Annals of Statistics*, 40(3):1714–1736, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1349196389.

Pazman:2014:ODA

[PP14] Andrej Pázman and Luc Pronzato. Optimum design accounting for the global nonlinear behavior of the model. *Annals of Statistics*, 42(4):1426–1451, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1403715206.

Paul:2016:NED

[PPB16] Debashis Paul, Jie Peng, and Prabir Burman. Nonparametric estimation of dynamics of monotone trajectories. *Annals of Statistics*, 44(6):2401–2432, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891623.

Plamadeala:2012:SMC

[PR12] Victoria Plamadeala and William F. Rosenberger. Sequential monitoring with conditional randomization tests. *Annals of Statistics*, 40(1):30–44, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1331830773.

Perchet:2013:MAB

[PR13] Vianney Perchet and Philippe Rigollet. The multi-armed bandit problem with covariates. *Annals of Statistics*, 41(2):693–721, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1366980562.

Patschkowski:2016:ALD

[PR16] Tim Patschkowski and Angelika Rohde. Adaptation to lowest density regions with application to support recovery. *Annals of Statistics*, 44(1):255–287, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1449755963.

Patschkowski:2019:LAC

[PR19] Tim Patschkowski and Angelika Rohde. Locally adaptive confidence bands. *Annals of Statistics*, 47(1):349–381, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1543568591`.

Perchet:2016:BBP

[PRCS16] Vianney Perchet, Philippe Rigollet, Sylvain Chassang, and Erik Snowberg. Batched bandit problems. *Annals of Statistics*, 44(2):660–681, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1458245731`.

Pensky:2010:CRE

[PS10] Marianna Pensky and Theofanis Sapatinas. On convergence rates equivalency and sampling strategies in functional deconvolution models. *Annals of Statistics*, 38(3):1793–1844, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1269452655`.

Pretorius:2018:ATN

[PS18] Charl Pretorius and Jan W. H. Swanepoel. On the asymptotic theory of new bootstrap confidence bounds. *Annals of Statistics*, 46(1):438–456, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Polunchenko:2010:OSR

[PT10] Aleksey S. Polunchenko and Alexander G. Tartakovsky. On optimality of the Shiryaev–Roberts procedure for detecting a change in distribution. *Annals of Statistics*, 38(6):3445–3457, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126963`.

Panaretos:2013:FAS

[PT13] Victor M. Panaretos and Shahin Tavakoli. Fourier analysis of stationary time series in function space. *Annals of Statistics*, 41(2):568–603, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1366980558`.

Pan:2018:BDN

[PTWZ18] Wenliang Pan, Yuan Tian, Xueqin Wang, and Heping Zhang. Ball divergence: Nonparametric two sample test. *Annals of Statistics*, 46(3):1109–1137, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1525313077`.

Paindaveine:2017:IMW

[PV17] Davy Paindaveine and Thomas Verdebout. Inference on the mode of weak directional signals: A Le Cam perspective on hypothesis testing near singularities. *Annals of Statistics*, 45(2):800–832, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1494921958`.

Paindaveine:2018:HDS

[PV18] Davy Paindaveine and Germain Van Bever. Halfspace depths for scatter, concentration and shape matrices. *Annals of Statistics*, 46(6B):3276–3307, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536631274`.

Perry:2018:OSO

[PWBM18] Amelia Perry, Alexander S. Wein, Afonso S. Bandeira, and Ankur Moitra. Optimality and sub-optimality of PCA I: Spiked random matrix models. *Annals of Statistics*, 46(5):2416–2451, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492840`.

Proksch:2018:MSI

[PWM18] Katharina Proksch, Frank Werner, and Axel Munk. Multiscale scanning in inverse problems. *Annals of Statistics*, 46(6B):3569–3602, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536631284`.

Pillai:2012:EUC

[PY12] Natesh S. Pillai and Jun Yin. Edge universality of correlation matrices. *Annals of Statistics*, 40(3):1737–1763, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1349196390`.

Panaretos:2016:APV

[PZ16] Victor M. Panaretos and Yoav Zemel. Amplitude and phase variation of point processes. *Annals of Statistics*, 44(2):771–812, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245735.

Qiu:2012:TBH

[QC12] Yumou Qiu and Song Xi Chen. Test for bandedness of high-dimensional covariance matrices and bandwidth estimation. *Annals of Statistics*, 40(3):1285–1314, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1344610584.

Qiu:2018:DRF

[QCN18] Yumou Qiu, Song Xi Chen, and Dan Nettleton. Detecting rare and faint signals via thresholding maximum likelihood estimators. *Annals of Statistics*, 46(2):895–923, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1522742440.

Qin:2019:CCA

[QH19] Qian Qin and James P. Hobert. Convergence complexity analysis of Albert and Chib's algorithm for Bayesian probit regression. *Annals of Statistics*, 47(4):2320–2347, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1558425647.

Qian:2011:PGI

[QM11] Min Qian and Susan A. Murphy. Performance guarantees for individualized treatment rules. *Annals of Statistics*, 39(2):1180–1210, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1304947047.

Qiao:2016:TAN

[QP16] Wanli Qiao and Wolfgang Polonik. Theoretical analysis of nonparametric filament estimation. *Annals of Statistics*, 44(3):1269–1297, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381693.

Qin:2019:NIL

[QT19] Likuan Qin and Viktor Todorov. Nonparametric implied Lévy densities. *Annals of Statistics*, 47(2):1025–1060, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1547197247.

Qu:2016:OEF

[QWW16] Simeng Qu, Jane-Ling Wang, and Xiao Wang. Optimal estimation for the functional Cox model. *Annals of Statistics*, 44(4):1708–1738, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894713.

Qi:2010:AEF

[QZ10] Xin Qi and Hongyu Zhao. Asymptotic efficiency and finite-sample properties of the generalized profiling estimation of parameters in ordinary differential equations. *Annals of Statistics*, 38(1):435–481, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1262271620.

Rao:2018:SIS

[Rao18] Suhasini Subba Rao. Statistical inference for spatial statistics defined in the Fourier domain. *Annals of Statistics*, 46(2):469–499, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1522742426.

Ray:2017:ABM

[Ray17] Kolyan Ray. Adaptive Bernstein–von Mises theorems in Gaussian white noise. *Annals of Statistics*, 45(6):2511–2536, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Rothenhausler:2019:CDF

[RBM19] Dominik Rothenhäusler, Peter Bühlmann, and Nicolai Meinshausen. Causal Dantzig: Fast inference in linear structural equation models with hidden variables under additive interventions. *Annals of Statistics*, 47(3):1688–1722, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026854.

Reynaud-Bouret:2010:AEH

[RBS10] Patricia Reynaud-Bouret and Sophie Schbath. Adaptive estimation for Hawkes processes; application to genome analysis. *Annals of Statistics*, 38(5):2781–2822, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1279638540`.

Ramdas:2019:UTM

[RBWJ19] Aaditya K. Ramdas, Rina F. Barber, Martin J. Wainwright, and Michael I. Jordan. A unified treatment of multiple testing with prior knowledge using the p-filter. *Annals of Statistics*, 47(5):2790–2821, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797864`.

Rousseau:2012:BNE

[RCL12] Judith Rousseau, Nicolas Chopin, and Brunero Liseo. Bayesian nonparametric estimation of the spectral density of a long or intermediate memory Gaussian process. *Annals of Statistics*, 40(2):964–995, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1342625458`.

Rohe:2011:SCH

[RCY11] Karl Rohe, Sourav Chatterjee, and Bin Yu. Spectral clustering and the high-dimensional stochastic blockmodel. *Annals of Statistics*, 39(4):1878–1915, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1314190618`.

Richter:2019:CVL

[RD19] Stefan Richter and Rainer Dahlhaus. Cross validation for locally stationary processes. *Annals of Statistics*, 47 (4):2145–2173, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558512018`.

Rothenhausler:2018:CIP

[REB18] Dominik Rothenhäusler, Jan Ernest, and Peter Bühlmann. Causal inference in partially linear structural equation models. *Annals of Statistics*, 46(6A):2904–2938, December

2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307237`.

Reiss:2011:AEI

[Rei11] Markus Reiß. Asymptotic equivalence for inference on the volatility from noisy observations. *Annals of Statistics*, 39(2):772–802, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1299680954`.

Roman:2012:CAG

[RH12] Jorge Carlos Román and James P. Hobert. Convergence analysis of the Gibbs sampler for Bayesian general linear mixed models with improper priors. *Annals of Statistics*, 40(6):2823–2849, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1360332185`.

Rigollet:2012:KLA

[Rig12] Philippe Rigollet. Kullback–Leibler aggregation and misspecified generalized linear models. *Annals of Statistics*, 40(2):639–665, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1337268207`.

Robins:2017:MEF

[RLM$^+$17] James M. Robins, Lingling Li, Rajarshi Mukherjee, Eric Tchetgen Tchetgen, and Aad van der Vaart. Minimax estimation of a functional on a structured high-dimensional model. *Annals of Statistics*, 45(5):1951–1987, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Rockova:2018:BES

[Roč18] Veronika Ročková. Bayesian estimation of sparse signals with a continuous spike-and-slab prior. *Annals of Statistics*, 46(1): 401–437, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Rohe:2019:CTD

[Roh19] Karl Rohe. A critical threshold for design effects in network sampling. *Annals of Statistics*, 47(1):556–582, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1543568598`.

Rojo:2011:ELL

[Roj11] Javier Rojo. Erich Leo Lehmann — a glimpse into his life and work. *Annals of Statistics*, 39(5):2244–2265, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1321020523`.

Rousseau:2010:RCP

[Rou10] Judith Rousseau. Rates of convergence for the posterior distributions of mixtures of betas and adaptive nonparametric estimation of the density. *Annals of Statistics*, 38(1):146–180, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1262271612`.

Rousseau:2015:DFC

[Rou15] Judith Rousseau. Discussion of "Frequentist coverage of adaptive nonparametric Bayesian credible sets". *Annals of Statistics*, 43(4):1444–1447, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1434546208`. See [SvdVvZ15a].

Roysland:2012:CAG

[Røy12] Kjetil Røysland. Counterfactual analyses with graphical models based on local independence. *Annals of Statistics*, 40(4):2162–2194, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1358951379`.

Rinaldo:2013:MLE

[RPF13] Alessandro Rinaldo, Sonja Petrović, and Stephen E. Fienberg. Maximum lilkelihood estimation in the β-model. *Annals of Statistics*, 41(3):1085–1110, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1371150894`.

Rivoirard:2012:BMT

[RR12] Vincent Rivoirard and Judith Rousseau. Bernstein–von Mises theorem for linear functionals of the density. *Annals of Statistics*, 40(3):1489–1523, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1346850063`.

Romano:2012:UAV

[RS12] Joseph P. Romano and Azeem M. Shaikh. On the uniform asymptotic validity of subsampling and the bootstrap. *Annals of Statistics*, 40(6):2798–2822, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1360332184`.

Rousseau:2017:ABE

[RS17] Judith Rousseau and Botond Szabo. Asymptotic behaviour of the empirical Bayes posteriors associated to maximum marginal likelihood estimator. *Annals of Statistics*, 45(2):833–865, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1494921959`.

Ren:2015:ANO

[RSZZ15] Zhao Ren, Tingni Sun, Cun-Hui Zhang, and Harrison H. Zhou. Asymptotic normality and optimalities in estimation of large Gaussian graphical models. *Annals of Statistics*, 43(3):991–1026, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1431695636`.

Rosenbaum:2010:SRU

[RT10] Mathieu Rosenbaum and Alexandre B. Tsybakov. Sparse recovery under matrix uncertainty. *Annals of Statistics*, 38(5):2620–2651, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1278861455`.

Rigollet:2011:ESO

[RT11a] Philippe Rigollet and Alexandre Tsybakov. Exponential screening and optimal rates of sparse estimation. *Annals of Statistics*, 39(2):731–771, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1299680953`.

Rohde:2011:EHD

[RT11b] Angelika Rohde and Alexandre B. Tsybakov. Estimation of high-dimensional low-rank matrices. *Annals of Statistics*, 39(2):887–930, April 2011. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1299680958.

Roquain:2011:ECF

[RV11] Etienne Roquain and Fanny Villers. Exact calculations for false discovery proportion with application to least favorable configurations. *Annals of Statistics*, 39(1):584–612, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1297779857.

Rinaldo:2010:GDC

[RW10a] Alessandro Rinaldo and Larry Wasserman. Generalized density clustering. *Annals of Statistics*, 38(5):2678–2722, October 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861457.

Romano:2010:BCG

[RW10b] Joseph P. Romano and Michael Wolf. Balanced control of generalized error rates. *Annals of Statistics*, 38(1):598–633, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1262271625.

Rinaldo:2019:BSS

[RWG19] Alessandro Rinaldo, Larry Wasserman, and Max G'Sell. Bootstrapping and sample splitting for high-dimensional, assumption-lean inference. *Annals of Statistics*, 47(6): 3438–3469, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1572487399.

Ravikumar:2010:HDI

[RWL10] Pradeep Ravikumar, Martin J. Wainwright, and John D. Lafferty. High-dimensional Ising model selection using ℓ_1-regularized logistic regression. *Annals of Statistics*, 38 (3):1287–1319, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1268056617.

Raskutti:2019:CRH

[RYC19] Garvesh Raskutti, Ming Yuan, and Han Chen. Convex regularization for high-dimensional multiresponse tensor regression. *Annals of Statistics*, 47(3):1554–1584, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026849.

Ren:2012:DLV

[RZ12] Zhao Ren and Harrison H. Zhou. Discussion: Latent variable graphical model selection via convex optimization. *Annals of Statistics*, 40(4):1989–1996, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1351602532.

Sadeghi:2016:MCL

[Sad16] Kayvan Sadeghi. Marginalization and conditioning for LWF chain graphs. *Annals of Statistics*, 44(4):1792–1816, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1467894716.

Saegusa:2019:LST

[Sae19] Takumi Saegusa. Large sample theory for merged data from multiple sources. *Annals of Statistics*, 47(3):1585–1615, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026850.

Samworth:2012:OWN

[Sam12] Richard J. Samworth. Optimal weighted nearest neighbour classifiers. *Annals of Statistics*, 40(5):2733–2763, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1359987536.

Samworth:2016:PHW

[Sam16] Richard J. Samworth. Peter Hall's work on high-dimensional data and classification. *Annals of Statistics*, 44(5):1888–1895, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685262.

Scott:2010:BEB

[SB10] James G. Scott and James O. Berger. Bayes and empirical-Bayes multiplicity adjustment in the variable-selection problem. *Annals of Statistics*, 38(5):2587–2619, October 2010.

CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861454.

Sarkar:2015:RNS

[SB15] Purnamrita Sarkar and Peter J. Bickel. Role of normalization in spectral clustering for stochastic blockmodels. *Annals of Statistics*, 43(3):962–990, June 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1431695635.

Su:2017:FDO

[SBC17] Weijie Su, Małgorzata Bogdan, and Emmanuel Candès. False discoveries occur early on the Lasso path. *Annals of Statistics*, 45(5):2133–2150, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Song:2016:ACP

[SBK16] Rui Song, Moulinath Banerjee, and Michael R. Kosorok. Asymptotics for change-point models under varying degrees of mis-specification. *Annals of Statistics*, 44(1):153–182, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1449755960.

Scornet:2015:CRF

[SBV15] Erwan Scornet, Gérard Biau, and Jean-Philippe Vert. Consistency of random forests. *Annals of Statistics*, 43 (4):1716–1741, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546220.

Sen:2010:IBG

[SBW10] Bodhisattva Sen, Moulinath Banerjee, and Michael Woodroofe. Inconsistency of bootstrap: The Grenander estimator. *Annals of Statistics*, 38(4):1953–1977, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861239.

Soltanolkotabi:2012:GAS

[SC12] Mahdi Soltanolkotabi and Emmanuel J. Candés. A geometric analysis of subspace clustering with outliers. *Annals of*

Statistics, 40(4):2195–2238, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1358951380.

Shang:2013:LGA

[SC13] Zuofeng Shang and Guang Cheng. Local and global asymptotic inference in smoothing spline models. *Annals of Statistics*, 41(5):2608–2638, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1384871347.

Shang:2015:NIG

[SC15] Zuofeng Shang and Guang Cheng. Nonparametric inference in generalized functional linear models. *Annals of Statistics*, 43(4):1742–1773, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546221.

Su:2016:SAU

[SC16] Weijie Su and Emmanuel Candès. SLOPE is adaptive to unknown sparsity and asymptotically minimax. *Annals of Statistics*, 44(3):1038–1068, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381686.

Schennach:2013:RBE

[Sch13] Susanne M. Schennach. Regressions with Berkson errors in covariates — a nonparametric approach. *Annals of Statistics*, 41(3):1642–1668, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1375362562.

Shao:2012:EHD

[SD12] Jun Shao and Xinwei Deng. Estimation in high-dimensional linear models with deterministic design matrices. *Annals of Statistics*, 40(2):812–831, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1337268213.

Soltanolkotabi:2014:RSC

[SEC14] Mahdi Soltanolkotabi, Ehsan Elhamifar, and Emmanuel J. Candès. Robust subspace clustering. *Annals of Statistics*, 42(2):669–699, April 2014. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592174.

Schoen:2019:CCD

[SEG19] Eric D. Schoen, Pieter T. Eendebak, and Peter Goos. A classification criterion for definitive screening designs. *Annals of Statistics*, 47(2):1179–1202, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1547197252.

Song:2019:SMT

[SF19] Yanglei Song and Georgios Fellouris. Sequential multiple testing with generalized error control: An asymptotic optimality theory. *Annals of Statistics*, 47(3):1776–1803, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026857.

Shi:2018:HDL

[SFSL18] Chengchun Shi, Ailin Fan, Rui Song, and Wenbin Lu. High-dimensional *A*-learning for optimal dynamic treatment regimes. *Annals of Statistics*, 46(3):925–957, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1525313071.

Schwartzman:2011:MTL

[SGA11] Armin Schwartzman, Yulia Gavrilov, and Robert J. Adler. Multiple testing of local maxima for detection of peaks in 1d. *Annals of Statistics*, 39(6):3290–3319, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1330958680.

Schmidt-Hieber:2014:AER

[SH14] Johannes Schmidt-Hieber. Asymptotic equivalence for regression under fractional noise. *Annals of Statistics*, 42 (6):2557–2585, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1415801783.

Sagnol:2015:CEO

[SH15] Guillaume Sagnol and Radoslav Harman. Computing exact *D*-optimal designs by mixed integer second-order cone programming. *Annals of Statistics*, 43(5):2198–2224, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1442364150.

Schmidt-Hieber:2013:MMS

[SHMD13] Johannes Schmidt-Hieber, Axel Munk, and Lutz Dümbgen. Multiscale methods for shape constraints in deconvolution: Confidence statements for qualitative features. *Annals of Statistics*, 41(3):1299–1328, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1372979639.

Steinberger:2019:PWF

[SL19] Lukas Steinberger and Hannes Leeb. Prediction when fitting simple models to high-dimensional data. *Annals of Statistics*, 47(3):1408–1442, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026843.

Sun:2011:COM

[SLL11] Fasheng Sun, Dennis K. J. Lin, and Min-Qian Liu. On construction of optimal mixed-level supersaturated designs. *Annals of Statistics*, 39(2):1310–1333, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1304947052.

Sun:2014:CNS

[SLQ14] Fasheng Sun, Min-Qian Liu, and Peter Z. G. Qian. On the construction of nested space-filling designs. *Annals of Statistics*, 42(4):1394–1425, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1403715205.

Shu:2019:ELC

[SN19] Hai Shu and Bin Nan. Estimation of large covariance and precision matrices from temporally dependent observations. *Annals of Statistics*, 47(3):1321–1350, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026839.

Seo:2018:LED

[SO18] Myung Hwan Seo and Taisuke Otsu. Local M-estimation with discontinuous criterion for dependent and limited observations. *Annals of Statistics*, 46(1):344–369, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Spokoiny:2012:PEF

[Spo12] Vladimir Spokoiny. Parametric estimation. Finite sample theory. *Annals of Statistics*, 40(6):2877–2909, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1360332187.

Shi:2017:WSI

[SQ17] Peibei Shi and Annie Qu. Weak signal identification and inference in penalized model selection. *Annals of Statistics*, 45(3):1214–1253, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1497319693.

Shalizi:2013:CUS

[SR13] Cosma Rohilla Shalizi and Alessandro Rinaldo. Consistency under sampling of exponential random graph models. *Annals of Statistics*, 41(2):508–535, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1366980556.

Szekely:2014:PDC

[SR14] Gábor J. Székely and Maria L. Rizzo. Partial distance correlation with methods for dissimilarities. *Annals of Statistics*, 42(6):2382–2412, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1413810731.

Samonenko:2015:NPT

[SR15] Inga Samonenko and John Robinson. A new permutation test statistic for complete block designs. *Annals of Statistics*, 43(1):90–101, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1416322037.

Seijo:2011:CPS

[SS11a] Emilio Seijo and Bodhisattva Sen. Change-point in stochastic design regression and the bootstrap. *Annals of Statistics*, 39(3):1580–1607, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1307452129.

Seijo:2011:NLS

[SS11b] Emilio Seijo and Bodhisattva Sen. Nonparametric least squares estimation of a multivariate convex regression function. *Annals of Statistics*, 39(3):1633–1657, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1311600278.

Suzuki:2013:FLR

[SS13] Taiji Suzuki and Masashi Sugiyama. Fast learning rate of multiple kernel learning: Trade-off between sparsity and smoothness. *Annals of Statistics*, 41(3):1381–1405, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1375362553.

Shi:2019:LHT

[SSCL19] Chengchun Shi, Rui Song, Zhao Chen, and Runze Li. Linear hypothesis testing for high dimensional generalized linear models. *Annals of Statistics*, 47(5):2671–2703, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1564797860.

Sejdinovic:2013:EDB

[SSGF13] Dino Sejdinovic, Bharath Sriperumbudur, Arthur Gretton, and Kenji Fukumizu. Equivalence of distance-based and RKHS-based statistics in hypothesis testing. *Annals of Statistics*, 41(5):2263–2291, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1383661264.

Schervish:2014:DCM

[SSK14] M. J. Schervish, Teddy Seidenfeld, and J. B. Kadane. Dominating countably many forecasts. *Annals of Statistics*, 42(2):728–756, April 2014. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592176.

Shi:2019:TCQ

[SSL19] Chengchun Shi, Rui Song, and Wenbin Lu. On testing conditional qualitative treatment effects. *Annals of Statistics*, 47(4):2348–2377, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1558425648.

Shpitser:2016:CIG

[ST16a] Ilya Shpitser and Eric Tchetgen Tchetgen. Causal inference with a graphical hierarchy of interventions. *Annals of Statistics*, 44(6):2433–2466, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891624.

Stepanova:2016:DIF

[ST16b] Natalia A. Stepanova and Alexandre B. Tsybakov. Discussion of "Influential features PCA for high dimensional clustering". *Annals of Statistics*, 44(6):2382–2386, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891621. See [JW16a, JW16b].

Sadhanala:2019:AMT

[ST19] Veeranjaneyulu Sadhanala and Ryan J. Tibshirani. Additive models with trend filtering. *Annals of Statistics*, 47 (6):3032–3068, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1572487382.

Sullivant:2010:TSG

[STD10] Seth Sullivant, Kelli Talaska, and Jan Draisma. Trek separation for Gaussian graphical models. *Annals of Statistics*, 38(3):1665–1685, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1269452651.

Stein:2011:RLW

[Ste11] Michael L. Stein. 2010 Rietz Lecture: When does the screening effect hold? *Annals of Statistics*, 39(6):2795–2819, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print),

2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1327413769.

Steinwart:2015:FAD

[Ste15] Ingo Steinwart. Fully adaptive density-based clustering. *Annals of Statistics*, 43(5):2132–2167, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1442364148.

Strauch:2018:AID

[Str18] Claudia Strauch. Adaptive invariant density estimation for ergodic diffusions over anisotropic classes. *Annals of Statistics*, 46(6B):3451–3480, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631280.

Sherlock:2015:EPM

[STRR15] Chris Sherlock, Alexandre H. Thiery, Gareth O. Roberts, and Jeffrey S. Rosenthal. On the efficiency of pseudo-marginal random walk Metropolis algorithms. *Annals of Statistics*, 43(1):238–275, February 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1418135621.

Shi:2014:OML

[STY14] Ce Shi, Yu Tang, and Jianxing Yin. Optimum mixed level detecting arrays. *Annals of Statistics*, 42(4):1546–1563, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1407420008.

Segers:2014:SGC

[SvdAW14] Johan Segers, Ramon van den Akker, and Bas J. M. Werker. Semiparametric Gaussian copula models: Geometry and efficient rank-based estimation. *Annals of Statistics*, 42 (5):1911–1940, October 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1410440629.

Szabo:2015:FCA

[SvdVvZ15a] Botond Szabó, A. W. van der Vaart, and J. H. van Zanten. Frequentist coverage of adaptive nonparametric Bayesian credible sets. *Annals of Statistics*, 43(4):1391–1428, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1434546205`. See discussion [Nic15, Cas15, Rou15, LM15, Gho15] and rejoinder [SvdVvZ15b].

Szabo:2015:RDF

[SvdVvZ15b] Botond Szabó, A. W. van der Vaart, and J. H. van Zanten. Rejoinder to discussions of “Frequentist coverage of adaptive nonparametric Bayesian credible sets”. *Annals of Statistics*, 43(4):1463–1470, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1434546211`. See [SvdVvZ15a].

Samworth:2010:AOB

[SW10a] R. J. Samworth and M. P. Wand. Asymptotics and optimal bandwidth selection for highest density region estimation. *Annals of Statistics*, 38(3):1767–1792, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1269452654`.

Seregin:2010:NEM

[SW10b] Arseni Seregin and Jon A. Wellner. Nonparametric estimation of multivariate convex-transformed densities. *Annals of Statistics*, 38(6):3751–3781, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291126972`.

Su:2012:MLT

[SW12] Yu-Ru Su and Jane-Ling Wang. Modeling left-truncated and right-censored survival data with longitudinal covariates. *Annals of Statistics*, 40(3):1465–1488, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1346850062`.

Saegusa:2013:WLE

[SW13] Takumi Saegusa and Jon A. Wellner. Weighted likelihood estimation under two-phase sampling. *Annals of Statistics*, 41(1):269–295, February 2013. CODEN ASTSC7. ISSN

0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1364302743.

Sherwood:2016:PLA

[SW16a] Ben Sherwood and Lan Wang. Partially linear additive quantile regression in ultra-high dimension. *Annals of Statistics*, 44(1):288–317, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1449755964.

Su:2016:SEE

[SW16b] Yu-Ru Su and Jane-Ling Wang. Semiparametric efficient estimation for shared-frailty models with doubly-censored clustered data. *Annals of Statistics*, 44(3):1298–1331, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381694.

Sienkiewicz:2018:PQU

[SW18] Ela Sienkiewicz and Haonan Wang. Pareto quantiles of unlabeled tree objects. *Annals of Statistics*, 46(4):1513–1540, August 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1530086424.

Spokoiny:2019:BTG

[SW19] Vladimir Spokoiny and Niklas Willrich. Bootstrap tuning in Gaussian ordered model selection. *Annals of Statistics*, 47(3):1351–1380, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026841.

Shao:2011:SLD

[SWDW11] Jun Shao, Yazhen Wang, Xinwei Deng, and Sijian Wang. Sparse linear discriminant analysis by thresholding for high dimensional data. *Annals of Statistics*, 39(2):1241–1265, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1304947049.

Sun:2019:UPD

[SWX19] Fasheng Sun, Yaping Wang, and Hongquan Xu. Uniform projection designs. *Annals of Statistics*, 47(1):641–661, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568601.

Schiebinger:2015:GKS

[SWY15] Geoffrey Schiebinger, Martin J. Wainwright, and Bin Yu. The geometry of kernelized spectral clustering. *Annals of Statistics*, 43(2):819–846, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1427115288.

Samworth:2012:ICA

[SY12] Richard J. Samworth and Ming Yuan. Independent component analysis via nonparametric maximum likelihood estimation. *Annals of Statistics*, 40(6):2973–3002, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1360332190.

Sun:2014:SSD

[SYZL14] Yan Sun, Hongjia Yan, Wenyang Zhang, and Zudi Lu. A semiparametric spatial dynamic model. *Annals of Statistics*, 42(2):700–727, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592175.

Serfling:2010:D

[SZ10] Robert Serfling and Yijun Zuo. Discussion. *Annals of Statistics*, 38(2):676–684, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586609.

Spokoiny:2015:BCS

[SZ15] Vladimir Spokoiny and Mayya Zhilova. Bootstrap confidence sets under model misspecification. *Annals of Statistics*, 43(6):2653–2675, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1444222088.

Toulis:2017:AFS

[TA17] Panos Toulis and Edoardo M. Airoldi. Asymptotic and finite-sample properties of estimators based on stochastic gradients. *Annals of Statistics*, 45(4):1694–1727, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1498636871.

Tang:2012:LBI

[TBK12] Runlong Tang, Moulinath Banerjee, and Michael R. Kosorok. Likelihood based inference for current status data on a grid: A boundary phenomenon and an adaptive inference procedure. *Annals of Statistics*, 40(1):45–72, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1331830774`.

Tang:2011:TSH

[TBM11] Runlong Tang, Moulinath Banerjee, and George Michailidis. A two-stage hybrid procedure for estimating an inverse regression function. *Annals of Statistics*, 39(2):956–989, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1302268083`.

Tong:2019:MLE

[TGC+19] Xingwei Tong, Fuqing Gao, Kani Chen, Dingjiao Cai, and Jianguo Sun. Maximum likelihood estimation in transformed linear regression with nonnormal errors. *Annals of Statistics*, 47(4):1864–1892, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425633`.

Tibshirani:2014:APP

[Tib14] Ryan J. Tibshirani. Adaptive piecewise polynomial estimation via trend filtering. *Annals of Statistics*, 42(1):285–323, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1395234979`.

Taraldsen:2013:FTO

[TL13] Gunnar Taraldsen and Bo Henry Lindqvist. Fiducial theory and optimal inference. *Annals of Statistics*, 41(1):323–341, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1364302745`.

Taylor:2016:IAR

[TLT16] Jonathan E. Taylor, Joshua R. Loftus, and Ryan J. Tibshirani. Inference in adaptive regression via the Kac–Rice formula. *Annals of Statistics*, 44(2):743–770, April 2016. CO-

DEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245734.

Todorov:2015:JAE

[Tod15] Viktor Todorov. Jump activity estimation for pure-jump semimartingales via self-normalized statistics. *Annals of Statistics*, 43(4):1831–1864, August 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1434546224.

Todorov:2017:TTV

[Tod17] Viktor Todorov. Testing for time-varying jump activity for pure jump semimartingales. *Annals of Statistics*, 45(3):1284–1311, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1497319695.

Tang:2018:LTE

[TP18] Minh Tang and Carey E. Priebe. Limit theorems for eigenvectors of the normalized Laplacian for random graphs. *Annals of Statistics*, 46(5):2360–2415, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1534492839.

Tewes:2019:CSE

[TPN19] Johannes Tewes, Dimitris N. Politis, and Daniel J. Nordman. Convolved subsampling estimation with applications to block bootstrap. *Annals of Statistics*, 47(1):468–496, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568595.

Tibshirani:2018:UAI

[TRTW18] Ryan J. Tibshirani, Alessandro Rinaldo, Rob Tibshirani, and Larry Wasserman. Uniform asymptotic inference and the bootstrap after model selection. *Annals of Statistics*, 46(3):1255–1287, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1525313082.

Truquet:2019:LST

[Tru19] Lionel Truquet. Local stationarity and time-inhomogeneous Markov chains. *Annals of Statistics*, 47(4):2023–2050, August 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425638`.

Tchetgen:2012:STC

[TS12] Eric J. Tchetgen and Ilya Shpitser. Semiparametric theory for causal mediation analysis: Efficiency bounds, multiple robustness and sensitivity analysis. *Annals of Statistics*, 40(3):1816–1845, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1350394518`.

Tang:2013:UCV

[TSP13] Minh Tang, Daniel L. Sussman, and Carey E. Priebe. Universally consistent vertex classification for latent positions graphs. *Annals of Statistics*, 41(3):1406–1430, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1375362554`.

Tibshirani:2011:SPG

[TT11] Ryan J. Tibshirani and Jonathan Taylor. The solution path of the generalized lasso. *Annals of Statistics*, 39(3):1335–1371, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1304514656`.

Tibshirani:2012:DFL

[TT12a] Ryan J. Tibshirani and Jonathan Taylor. Degrees of freedom in lasso problems. *Annals of Statistics*, 40(2):1198–1232, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1342625466`.

Todorov:2012:RLT

[TT12b] Viktor Todorov and George Tauchen. Realized Laplace transforms for pure-jump semimartingales. *Annals of Statistics*, 40(2):1233–1262, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1342625467`.

Tian:2018:SIR

[TT18] Xiaoying Tian and Jonathan Taylor. Selective inference with a randomized response. *Annals of Statistics*, 46(2):679–710, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1522742433.

Tsao:2013:ELF

[TW13] Min Tsao and Fan Wu. Empirical likelihood on the full parameter space. *Annals of Statistics*, 41(4):2176–2196, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1382547517.

Tuo:2015:ECI

[TW15] Rui Tuo and C. F. Jeff Wu. Efficient calibration for imperfect computer models. *Annals of Statistics*, 43(6):2331–2352, December 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1444222077.

Tang:2017:NGF

[TWT17] Chuan-Fa Tang, Dewei Wang, and Joshua M. Tebbs. Nonparametric goodness-of-fit tests for uniform stochastic ordering. *Annals of Statistics*, 45(6):2565–2589, December 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Tao:2013:OSV

[TWZ13] Minjing Tao, Yazhen Wang, and Harrison H. Zhou. Optimal sparse volatility matrix estimation for high-dimensional Itô processes with measurement errors. *Annals of Statistics*, 41(4):1816–1864, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1378386240.

Tang:2012:UFF

[TXL12] Yu Tang, Hongquan Xu, and Dennis K. J. Lin. Uniform fractional factorial designs. *Annals of Statistics*, 40(2):891–907, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1338515141.

Tan:2019:AMC

[TZ19a] Falong Tan and Lixing Zhu. Adaptive-to-model checking for regressions with diverging number of predictors. *Annals of Statistics*, 47(4):1960–1994, August 2019. CODEN ASTSC7.

ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1558425636`.

Tan:2019:DPE

[TZ19b] Zhiqiang Tan and Cun-Hui Zhang. Doubly penalized estimation in additive regression with high-dimensional data. *Annals of Statistics*, 47(5):2567–2600, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797857`.

Uhler:2012:GML

[Uhl12] Caroline Uhler. Geometry of maximum likelihood estimation in Gaussian graphical models. *Annals of Statistics*, 40(1):238–261, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1333029964`.

Uhler:2018:EFN

[ULR18] Caroline Uhler, Alex Lenkoski, and Donald Richards. Exact formulas for the normalizing constants of Wishart distributions for graphical models. *Annals of Statistics*, 46(1):90–118, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Uhler:2013:GFA

[URBY13] Caroline Uhler, Garvesh Raskutti, Peter Bühlmann, and Bin Yu. Geometry of the faithfulness assumption in causal inference. *Annals of Statistics*, 41(2):436–463, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1366138197`.

Verzelen:2017:DFS

[VAC17] Nicolas Verzelen and Ery Arias-Castro. Detection and feature selection in sparse mixture models. *Annals of Statistics*, 45 (5):1920–1950, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Volgushev:2019:DIQ

[VCC19] Stanislav Volgushev, Shih-Kang Chao, and Guang Cheng. Distributed inference for quantile regression processes. *Annals of Statistics*, 47(3):1634–1662, June 2019. CODEN

ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1550026852`.

Vogt:2015:DGC

[VD15] Michael Vogt and Holger Dette. Detecting gradual changes in locally stationary processes. *Annals of Statistics*, 43(2):713–740, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1425398506`.

vandeGeer:2013:PML

[vdGB13] Sara van de Geer and Peter Bühlmann. ℓ_0-penalized maximum likelihood for sparse directed acyclic graphs. *Annals of Statistics*, 41(2):536–567, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1366980557`.

Verzelen:2010:AES

[Ver10] Nicolas Verzelen. Adaptive estimation of stationary Gaussian fields. *Annals of Statistics*, 38(3):1363–1402, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1268056620`.

Vimond:2010:EES

[Vim10] Myriam Vimond. Efficient estimation for a subclass of shape invariant models. *Annals of Statistics*, 38(3):1885–1912, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1271271281`.

Vu:2013:MSP

[VL13] Vincent Q. Vu and Jing Lei. Minimax sparse principal subspace estimation in high dimensions. *Annals of Statistics*, 41(6):2905–2947, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1388545673`.

Velasco:2018:FDM

[VL18] Carlos Velasco and Ignacio N. Lobato. Frequency domain minimum distance inference for possibly noninvertible and noncausal ARMA models. *Annals of Statistics*, 46(2):555–579, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1522742429`.

Vogt:2012:NRL

[Vog12] Michael Vogt. Nonparametric regression for locally stationary time series. *Annals of Statistics*, 40(5):2601–2633, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1359987532.

VanderWeele:2012:GTI

[VR12] Tyler J. VanderWeele and Thomas S. Richardson. General theory for interactions in sufficient cause models with dichotomous exposures. *Annals of Statistics*, 40(4):2128–2161, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1358951378.

Veitch:2019:SES

[VR19] Victor Veitch and Daniel M. Roy. Sampling and estimation for (sparse) exchangeable graphs. *Annals of Statistics*, 47 (6):3274–3299, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1572487393.

VanderWeele:2013:DC

[VS13] Tyler J. VanderWeele and Ilya Shpitser. On the definition of a confounder. *Annals of Statistics*, 41(1):196–220, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1364302740.

Vandermeulen:2019:OTA

[VS19] Robert A. Vandermeulen and Clayton D. Scott. An operator theoretic approach to nonparametric mixture models. *Annals of Statistics*, 47(5):2704–2733, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1564797861.

Verzelen:2010:GFT

[VV10] Nicolas Verzelen and Fanny Villers. Goodness-of-fit tests for high-dimensional Gaussian linear models. *Annals of Statistics*, 38(2):704–752, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586612.

vanZwet:2011:REL

[vZ11] Willem R. van Zwet. Remembering Erich Lehmann. *Annals of Statistics*, 39(5):2266–2279, October 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1321020524`.

Wainwright:2012:DLV

[Wai12] Martin J. Wainwright. Discussion: Latent variable graphical model selection via convex optimization. *Annals of Statistics*, 40(4):1978–1983, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1351602530`.

Walther:2010:OFD

[Wal10] Guenther Walther. Optimal and fast detection of spatial clusters with scan statistics. *Annals of Statistics*, 38(2):1010–1033, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586621`.

Wang:2010:CSO

[Wan10] Weizhen Wang. On construction of the smallest one-sided confidence interval for the difference of two proportions. *Annals of Statistics*, 38(2):1227–1243, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586628`.

Wang:2011:GAC

[Wan11] Lan Wang. GEE analysis of clustered binary data with diverging number of covariates. *Annals of Statistics*, 39(1):389–417, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291388380`.

Wang:2013:AEQ

[Wan13] Yazhen Wang. Asymptotic equivalence of quantum state tomography and noisy matrix completion. *Annals of Statistics*, 41(5):2462–2504, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1383661270`.

Wasserman:2014:DST

[Was14] Larry Wasserman. Discussion: "A significance test for the lasso". *Annals of Statistics*, 42(2):501–508, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592166. See [LTTT14c].

Wang:2017:LBM

[WB17] Y. X. Rachel Wang and Peter J. Bickel. Likelihood-based model selection for stochastic block models. *Annals of Statistics*, 45(2):500–528, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1494921948.

Wang:2016:SCT

[WBS16] Tengyao Wang, Quentin Berthet, and Richard J. Samworth. Statistical and computational trade-offs in estimation of sparse principal components. *Annals of Statistics*, 44(5):1896–1930, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685263.

Chang:2019:NTM

[wCM19] Hsin wen Chang and Ian W. McKeague. Nonparametric testing for multiple survival functions with noninferiority margins. *Annals of Statistics*, 47(1):205–232, February 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1543568587.

Wolpert:2011:SEU

[WCT11] Robert L. Wolpert, Merlise A. Clyde, and Chong Tu. Stochastic expansions using continuous dictionaries: Lévy adaptive regression kernels. *Annals of Statistics*, 39(4):1916–1962, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1314190619.

Wei:2010:D

[Wei10] Ying Wei. Discussion. *Annals of Statistics*, 38(2):670–675, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1266586608.

Wang:2017:AEE

[WF17] Weichen Wang and Jianqing Fan. Asymptotics of empirical eigenstructure for high dimensional spiked covariance. *Annals of Statistics*, 45(3):1342–1374, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1497319697.

Williams:2019:NVS

[WH19] Jonathan P. Williams and Jan Hannig. Nonpenalized variable selection in high-dimensional linear model settings via generalized fiducial inference. *Annals of Statistics*, 47(3):1723–1753, June 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026855.

Wang:2013:CNP

[WKL13] Lan Wang, Yongdai Kim, and Runze Li. Calibrating nonconvex penalized regression in ultra-high dimension. *Annals of Statistics*, 41(5):2505–2536, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1383661271.

Whiteley:2014:TPF

[WL14] Nick Whiteley and Anthony Lee. Twisted particle filters. *Annals of Statistics*, 42(1):115–141, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1392733182.

Wang:2014:OEE

[WLCY14] Jiangyan Wang, Rong Liu, Fuxia Cheng, and Lijian Yang. Oracally efficient estimation of autoregressive error distribution with simultaneous confidence band. *Annals of Statistics*, 42(2):654–668, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592173.

Wang:2011:EVS

[WLLC11] Li Wang, Xiang Liu, Hua Liang, and Raymond J. Carroll. Estimation and variable selection for generalized additive partial linear models. *Annals of Statistics*, 39(4):1827–1851, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1311688537.

Wang:2014:OCS

[WLZ14] Zhaoran Wang, Han Liu, and Tong Zhang. Optimal computational and statistical rates of convergence for sparse nonconvex learning problems. *Annals of Statistics*, 42(6):2164–2201, December 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1413810725`.

Wong:2010:OPT

[WM10] Wing H. Wong and Li Ma. Optional Pólya tree and Bayesian inference. *Annals of Statistics*, 38(3):1433–1459, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1268056622`.

Weng:2018:OLP

[WMZ18] Haolei Weng, Arian Maleki, and Le Zheng. Overcoming the limitations of phase transition by higher order analysis of regularization techniques. *Annals of Statistics*, 46 (6A):3099–3129, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307244`.

Wang:2012:STN

[WP12] Qiying Wang and Peter C. B. Phillips. A specification test for nonlinear nonstationary models. *Annals of Statistics*, 40(2):727–758, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1337268210`.

Woodard:2013:CRM

[WR13] Dawn B. Woodard and Jeffrey S. Rosenthal. Convergence rate of Markov chain methods for genomic motif discovery. *Annals of Statistics*, 41(1):91–124, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1362493041`.

Wang:2019:AFM

[WRM19] Nanwei Wang, Johannes Rauh, and Hélène Massam. Approximating faces of marginal polytopes in discrete hierarchical models. *Annals of Statistics*, 47(3):1203–1233, June

2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1550026834.

Wu:2018:TGF

[WW18] Hau-Tieng Wu and Nan Wu. Think globally, fit locally under the manifold setup: Asymptotic analysis of locally linear embedding. *Annals of Statistics*, 46(6B):3805–3837, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631291.

Wei:2019:GHT

[WWG19] Yuting Wei, Martin J. Wainwright, and Adityanand Guntuboyina. The geometry of hypothesis testing over convex cones: Generalized likelihood ratio tests and minimax radii. *Annals of Statistics*, 47(2):994–1024, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1547197246.

Wang:2014:EMS

[WXQL14] Li Wang, Lan Xue, Annie Qu, and Hua Liang. Estimation and model selection in generalized additive partial linear models for correlated data with diverging number of covariates. *Annals of Statistics*, 42(2):592–624, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592171.

Wang:2018:OMD

[WXX18] Lin Wang, Qian Xiao, and Hongquan Xu. Optimal maximin L_1-distance latin hypercube designs based on good lattice point designs. *Annals of Statistics*, 46(6B):3741–3766, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631289.

Wang:2010:EPL

[WXZC10] Jane-Ling Wang, Liugen Xue, Lixing Zhu, and Yun Sam Chong. Estimation for a partial-linear single-index model. *Annals of Statistics*, 38(1):246–274, February 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1262271615.

Wang:2017:EEL

[WY17] Qinwen Wang and Jianfeng Yao. Extreme eigenvalues of large-dimensional spiked Fisher matrices with application. *Annals of Statistics*, 45(1):415–460, February 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1487667628`.

Wu:2019:CPM

[WY19] Yihong Wu and Pengkun Yang. Chebyshev polynomials, moment matching, and optimal estimation of the unseen. *Annals of Statistics*, 47(2):857–883, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197241`.

Wang:2010:VVM

[WZ10] Yazhen Wang and Jian Zou. Vast volatility matrix estimation for high-frequency financial data. *Annals of Statistics*, 38(2):943–978, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586619`.

Wu:2012:PMT

[WZ12] Yuan Wu and Ying Zhang. Partially monotone tensor spline estimation of the joint distribution function with bivariate current status data. *Annals of Statistics*, 40(3):1609–1636, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1346850067`.

Wu:2018:GBS

[WZ18] Weichi Wu and Zhou Zhou. Gradient-based structural change detection for nonstationary time series M-estimation. *Annals of Statistics*, 46(3):1197–1224, June 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1525313080`.

Wang:2017:CAM

[WZHO17] Jingshu Wang, Qingyuan Zhao, Trevor Hastie, and Art B. Owen. Confounder adjustment in multiple hypothesis testing. *Annals of Statistics*, 45(5):1863–1894, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Wang:2018:CPD

[WZY18] Guanghui Wang, Changliang Zou, and Guosheng Yin. Change-point detection in multinomial data with a large number of categories. *Annals of Statistics*, 46(5):2020–2044, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1534492827.

Xu:2016:FVS

[XCL16] Min Xu, Minhua Chen, and John Lafferty. Faithful variable screening for high-dimensional convex regression. *Annals of Statistics*, 44(6):2624–2660, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891630.

Xu:2012:AOE

[XH12] Ganggang Xu and Jianhua Z. Huang. Asymptotic optimality and efficient computation of the leave-subject-out cross-validation. *Annals of Statistics*, 40(6):3003–3030, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1360332191.

Xie:2016:OSE

[XKB16] Xianchao Xie, S. C. Kou, and Lawrence Brown. Optimal shrinkage estimation of mean parameters in family of distributions with quadratic variance. *Annals of Statistics*, 44(2):564–597, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245728.

Xue:2010:SEC

[XMW10] Hongqi Xue, Hongyu Miao, and Hulin Wu. Sieve estimation of constant and time-varying coefficients in nonlinear ordinary differential equation models by considering both numerical error and measurement error. *Annals of Statistics*, 38(4):2351–2387, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861251.

Xia:2013:CRE

[XQB13] Ningning Xia, Yingli Qin, and Zhidong Bai. Convergence rates of eigenvector empirical spectral distribution of large dimensional sample covariance matrix. *Annals of Statistics*, 41(5):2572–2607, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1384871346.

Xie:2013:SMS

[XS13] Yao Xie and David Siegmund. Sequential multi-sensor change-point detection. *Annals of Statistics*, 41(2):670–692, April 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1366980561.

Xu:2017:IRL

[Xu17] Gongjun Xu. Identifiability of restricted latent class models with binary responses. *Annals of Statistics*, 45(2):675–707, April 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1494921954.

Xiao:2012:CME

[XW12] Han Xiao and Wei Biao Wu. Covariance matrix estimation for stationary time series. *Annals of Statistics*, 40(1):466–493, February 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1334581750.

Xue:2012:RRB

[XZ12] Lingzhou Xue and Hui Zou. Regularized rank-based estimation of high-dimensional nonparanormal graphical models. *Annals of Statistics*, 40(5):2541–2571, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1359987530.

Xia:2018:IAS

[XZ18] Ningning Xia and Xinghua Zheng. On the inference about the spectral distribution of high-dimensional covariance matrix based on high-frequency noisy observations. *Annals of Statistics*, 46(2):500–525, April 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1522742427.

Xue:2012:NPC

[XZC12] Lingzhou Xue, Hui Zou, and Tianxi Cai. Nonconcave penalized composite conditional likelihood estimation of sparse Ising models. *Annals of Statistics*, 40(3):1403–1429, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1344610588.

Yang:2010:GP

[Yan10] Min Yang. On the de la Garza phenomenon. *Annals of Statistics*, 38(4):2499–2524, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1278861255.

Yuan:2010:RKH

[YC10] Ming Yuan and T. Tony Cai. A reproducing kernel Hilbert space approach to functional linear regression. *Annals of Statistics*, 38(6):3412–3444, December 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1291126962.

Yang:2016:BMR

[YD16] Yun Yang and David B. Dunson. Bayesian manifold regression. *Annals of Statistics*, 44(2):876–905, April 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1458245738.

Yu:2016:MSI

[YDS16] Zhou Yu, Yuexiao Dong, and Jun Shao. On marginal sliced inverse regression for ultrahigh dimensional model-free feature selection. *Annals of Statistics*, 44(6):2594–2623, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891629.

Yen:2011:MMA

[Yen11] Tso-Jung Yen. A majorization–minimization approach to variable selection using spike and slab priors. *Annals of Statistics*, 39(3):1748–1775, June 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1311600282.

Yamagata:2013:QLA

[YFG13] Koichi Yamagata, Akio Fujiwara, and Richard D. Gill. Quantum local asymptotic normality based on a new quantum likelihood ratio. *Annals of Statistics*, 41(4):2197–2217, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1382547518.

Yoo:2016:SNP

[YG16] William Weimin Yoo and Subhashis Ghosal. Supremum norm posterior contraction and credible sets for nonparametric multivariate regression. *Annals of Statistics*, 44(3):1069–1102, June 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1460381687.

Yang:2012:BEL

[YH12] Yunwen Yang and Xuming He. Bayesian empirical likelihood for quantile regression. *Annals of Statistics*, 40(2):1102–1131, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1342625463.

Yin:2011:SDR

[YL11] Xiangrong Yin and Bing Li. Sufficient dimension reduction based on an ensemble of minimum average variance estimators. *Annals of Statistics*, 39(6):3392–3416, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1330958684.

Yoshimori:2014:SOE

[YL14] Masayo Yoshimori and Partha Lahiri. A second-order efficient empirical Bayes confidence interval. *Annals of Statistics*, 42(4):1233–1261, August 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1403715200.

Yan:2016:ADE

[YLZ16] Ting Yan, Chenlei Leng, and Ji Zhu. Asymptotics in directed exponential random graph models with an increasing bi-degree sequence. *Annals of Statistics*, 44(1):31–57, February 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1449755956`.

Yang:2015:ITH

[YP15] Yanrong Yang and Guangming Pan. Independence test for high dimensional data based on regularized canonical correlation coefficients. *Annals of Statistics*, 43(2):467–500, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1424787425`.

Yang:2017:RSK

[YPW17] Yun Yang, Mert Pilanci, and Martin J. Wainwright. Randomized sketches for kernels: Fast and optimal nonparametric regression. *Annals of Statistics*, 45(3):991–1023, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1497319686`.

Yang:2012:ILO

[YS12] Min Yang and John Stufken. Identifying locally optimal designs for nonlinear models: A simple extension with profound consequences. *Annals of Statistics*, 40(3):1665–1681, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1349196387`.

Yang:2015:MON

[YT15] Yun Yang and Surya T. Tokdar. Minimax-optimal nonparametric regression in high dimensions. *Annals of Statistics*, 43(2):652–674, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1425398504`.

Yu:2010:MCG

[Yu10] Yaming Yu. Monotonic convergence of a general algorithm for computing optimal designs. *Annals of Statistics*, 38(3):1593–1606, June 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1269452648`.

Yuan:2012:DLV

[Yua12] Ming Yuan. Discussion: Latent variable graphical model selection via convex optimization. *Annals of Statistics*, 40 (4):1968–1972, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1351602528.

Yang:2016:CCH

[YWJ16] Yun Yang, Martin J. Wainwright, and Michael I. Jordan. On the computational complexity of high-dimensional Bayesian variable selection. *Annals of Statistics*, 44(6):2497–2532, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891626.

Yuan:2016:MOR

[YZ16] Ming Yuan and Ding-Xuan Zhou. Minimax optimal rates of estimation in high dimensional additive models. *Annals of Statistics*, 44(6):2564–2593, December 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1479891628.

Zheng:2017:IUO

[ZAL17] Wei Zheng, Mingyao Ai, and Kang Li. Identification of universally optimal circular designs for the interference model. *Annals of Statistics*, 45(4):1462–1487, August 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1498636863.

Zhang:2019:SSI

[ZBC19] Anru Zhang, Lawrence D. Brown, and T. Tony Cai. Semi-supervised inference: General theory and estimation of means. *Annals of Statistics*, 47(5):2538–2566, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/euclid.aos/1564797856.

Zhou:2018:NPR

[ZBFL18] Wen-Xin Zhou, Koushiki Bose, Jianqing Fan, and Han Liu. A new perspective on robust M-estimation: Finite sample theory and applications to dependence-adjusted multiple testing.

Annals of Statistics, 46(5):1904–1931, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492823`.

Zheng:2015:SPC

[ZBY15] Shurong Zheng, Zhidong Bai, and Jianfeng Yao. Substitution principle for CLT of linear spectral statistics of high-dimensional sample covariance matrices with applications to hypothesis testing. *Annals of Statistics*, 43(2):546–591, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1424787428`.

Zheng:2019:HTL

[ZCCL19] Shurong Zheng, Zhao Chen, Hengjian Cui, and Runze Li. Hypothesis testing on linear structures of high-dimensional covariance matrix. *Annals of Statistics*, 47(6):3300–3334, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1572487394`.

Zheng:2019:THD

[ZCGZ19] Shurong Zheng, Guanghui Cheng, Jianhua Guo, and Hongtu Zhu. Test for high-dimensional correlation matrices. *Annals of Statistics*, 47(5):2887–2921, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797867`.

Zhao:2016:PLF

[ZCL16] Tianqi Zhao, Guang Cheng, and Han Liu. A partially linear framework for massive heterogeneous data. *Annals of Statistics*, 44(4):1400–1437, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1467894703`.

Zhong:2013:TAH

[ZCX13] Ping-Shou Zhong, Song Xi Chen, and Minya Xu. Tests alternative to higher criticism for high-dimensional means under sparsity and column-wise dependence. *Annals of Statistics*, 41(6):2820–2851, December 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1387313391`.

Zhao:2018:RBC

[ZDMD18] Anqi Zhao, Peng Ding, Rahul Mukerjee, and Tirthankar Dasgupta. Randomization-based causal inference from split-plot designs. *Annals of Statistics*, 46(5):1876–1903, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492822`.

Zhang:2011:MTF

[ZFY11] Chunming Zhang, Jianqing Fan, and Tao Yu. Multiple testing via FDR $_L$ for large-scale imaging data. *Annals of Statistics*, 39(1):613–642, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1297779858`.

Zhu:2010:SMR

[ZH10] Hongjian Zhu and Feifang Hu. Sequential monitoring of response-adaptive randomized clinical trials. *Annals of Statistics*, 38(4):2218–2241, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1278861247`.

Zhang:2010:NUV

[Zha10] Cun-Hui Zhang. Nearly unbiased variable selection under minimax concave penalty. *Annals of Statistics*, 38(2):894–942, April 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1266586618`.

Zhang:2013:NOM

[Zha13] Li Zhang. Nearly optimal minimax estimator for high-dimensional sparse linear regression. *Annals of Statistics*, 41(4):2149–2175, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1382547516`.

Zhang:2018:EQT

[Zha18] Yichong Zhang. Extremal quantile treatment effects. *Annals of Statistics*, 46(6B):3707–3740, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536631288`.

Zhang:2019:CEL

[Zha19a] Anru Zhang. Cross: Efficient low-rank tensor completion. *Annals of Statistics*, 47(2):936–964, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197244`.

Zhao:2019:CBP

[Zha19b] Qingyuan Zhao. Covariate balancing propensity score by tailored loss functions. *Annals of Statistics*, 47(2):965–993, April 2019. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1547197245`.

Zhang:2011:IUM

[ZHCC11] Li-Xin Zhang, Feifang Hu, Siu Hung Cheung, and Wai Sum Chan. Immigrated urn models — theoretical properties and applications. *Annals of Statistics*, 39(1):643–671, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1297779859`.

Zheng:2013:OCD

[Zhe13a] Wei Zheng. Optimal crossover designs for the proportional model. *Annals of Statistics*, 41(4):2218–2235, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1382547519`.

Zheng:2013:UOC

[Zhe13b] Wei Zheng. Universally optimal crossover designs under subject dropout. *Annals of Statistics*, 41(1):63–90, February 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1362493040`.

Zheng:2015:UOD

[Zhe15] Wei Zheng. Universally optimal designs for two interference models. *Annals of Statistics*, 43(2):501–518, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1424787426`.

Zhou:2010:NIQ

[Zho10] Zhou Zhou. Nonparametric inference of quantile curves for nonstationary time series. *Annals of Statistics*, 38 (4):2187–2217, August 2010. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1278861246`.

Zhou:2014:GGE

[Zho14a] Shuheng Zhou. Gemini: Graph estimation with matrix variate normal instances. *Annals of Statistics*, 42(2):532–562, April 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1400592169`.

Zhou:2014:IWS

[Zho14b] Zhou Zhou. Inference of weighted V-statistics for nonstationary time series and its applications. *Annals of Statistics*, 42(1):87–114, February 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1389795746`.

Zhu:2017:NAS

[Zhu17] Ying Zhu. Nonasymptotic analysis of semiparametric regression models with high-dimensional parametric coefficients. *Annals of Statistics*, 45(5):2274–2298, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Zhu:2019:SIA

[Zhu19] Ke Zhu. Statistical inference for autoregressive models under heteroscedasticity of unknown form. *Annals of Statistics*, 47(6):3185–3215, December 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1572487390`.

Zhu:2012:PSC

[ZIC12] Hongtu Zhu, Joseph G. Ibrahim, and Hyunsoon Cho. Perturbation and scaled Cook's distance. *Annals of Statistics*, 40(2):785–811, April 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1337268212`.

Zhang:2011:CIC

[ZJS11] Mingyuan Zhang, Marshall M. Joffe, and Dylan S. Small. Causal inference for continuous-time processes when covariates are observed only at discrete times. *Annals of Statistics*, 39(1):131–173, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291388371`.

Zhang:2011:FIC

[ZL11a] Xinyu Zhang and Hua Liang. Focused information criterion and model averaging for generalized additive partial linear models. *Annals of Statistics*, 39(1):174–200, February 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1291388372`.

Zheng:2011:EIC

[ZL11b] Xinghua Zheng and Yingying Li. On the estimation of integrated covariance matrices of high dimensional diffusion processes. *Annals of Statistics*, 39(6):3121–3151, December 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1327672848`.

Zhu:2011:GSW

[ZL11c] Ke Zhu and Shiqing Ling. Global self-weighted and local quasi-maximum exponential likelihood estimators for ARMA–GARCH/IGARCH models. *Annals of Statistics*, 39(4):2131–2163, August 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1319595461`.

Zhu:2012:MVC

[ZLK12] Hongtu Zhu, Runze Li, and Linglong Kong. Multivariate varying coefficient model for functional responses. *Annals of Statistics*, 40(5):2634–2666, October 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1359987533`.

Zhao:2013:HDI

[ZLLW13] Junlong Zhao, Chenlei Leng, Lexin Li, and Hansheng Wang. High-dimensional influence measure. *Annals of Statistics*, 41(5):2639–2667, October 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1384871348`.

Zhong:2017:TCS

[ZLST17] Ping-Shou Zhong, Wei Lan, Peter X. K. Song, and Chih-Ling Tsai. Tests for covariance structures with high-dimensional repeated measurements. *Annals of Statistics*, 45(3):1185–1213, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1497319692`.

Zhao:2012:CCD

[ZLZ12] Yunpeng Zhao, Elizaveta Levina, and Ji Zhu. Consistency of community detection in networks under degree-corrected stochastic block models. *Annals of Statistics*, 40(4):2266–2292, August 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1358951382`.

Zhao:2018:PCO

[ZLZ18] Tuo Zhao, Han Liu, and Tong Zhang. Pathwise coordinate optimization for sparse learning: Algorithm and theory. *Annals of Statistics*, 46(1):180–218, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Zhang:2018:CLE

[ZPG18] Bo Zhang, Guangming Pan, and Jiti Gao. CLT for largest eigenvalues and unit root testing for high-dimensional nonstationary time series. *Annals of Statistics*, 46(5):2186–2215, October 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1534492833`.

Zheng:2015:GAQ

[ZPH15] Qi Zheng, Limin Peng, and Xuming He. Globally adaptive quantile regression with ultra-high dimensional data. *Annals of Statistics*, 43(5):2225–2258, October 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1442364151`.

Zheng:2018:HDC

[ZPH18] Qi Zheng, Limin Peng, and Xuming He. High dimensional censored quantile regression. *Annals of Statistics*, 46(1):308–

343, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Zhu:2017:NVA

[ZPL+17] Xuening Zhu, Rui Pan, Guodong Li, Yuewen Liu, and Hansheng Wang. Network vector autoregression. *Annals of Statistics*, 45(3):1096–1123, June 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1497319689`.

Zhang:2011:TAQ

[ZPMX11] Runchu Zhang, Frederick K. H. Phoa, Rahul Mukerjee, and Hongquan Xu. A trigonometric approach to quaternary code designs with application to one-eighth and one-sixteenth fractions. *Annals of Statistics*, 39(2):931–955, April 2011. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1302268082`.

Zhang:2013:TCM

[ZPW13] Rongmao Zhang, Liang Peng, and Ruodu Wang. Tests for covariance matrix with fixed or divergent dimension. *Annals of Statistics*, 41(4):2075–2096, August 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1382547513`.

Zhang:2013:FSA

[ZS13] Xianyang Zhang and Xiaofeng Shao. Fixed-smoothing asymptotics for time series. *Annals of Statistics*, 41(3):1329–1349, June 2013. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1372979640`.

Zhou:2019:SPO

[ZvdAW19] Bo Zhou, Ramon van den Akker, and Bas J. M. Werker. Semiparametrically point-optimal hybrid rank tests for unit roots. *Annals of Statistics*, 47(5):2601–2638, October 2019. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `https://projecteuclid.org/euclid.aos/1564797858`.

Zhang:2012:ITV

[ZW12] Ting Zhang and Wei Biao Wu. Inference of time-varying regression models. *Annals of Statistics*, 40(3):1376–1402, June 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1344610587.

Zhang:2015:TVN

[ZW15] Ting Zhang and Wei Biao Wu. Time-varying nonlinear regression models: Nonparametric estimation and model selection. *Annals of Statistics*, 43(2):741–768, April 2015. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1425398507.

Zhang:2016:SDF

[ZW16] Xiaoke Zhang and Jane-Ling Wang. From sparse to dense functional data and beyond. *Annals of Statistics*, 44 (5):2281–2321, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1473685276.

Zhang:2017:GAH

[ZW17] Danna Zhang and Wei Biao Wu. Gaussian approximation for high dimensional time series. *Annals of Statistics*, 45(5): 1895–1919, October 2017. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Zou:2014:NML

[ZYFW14] Changliang Zou, Guosheng Yin, Long Feng, and Zhaojun Wang. Nonparametric maximum likelihood approach to multiple change-point problems. *Annals of Statistics*, 42(3):970–1002, June 2014. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL http://projecteuclid.org/euclid.aos/1400592649.

Zhao:2018:ARC

[ZYL18] Junlong Zhao, Guan Yu, and Yufeng Liu. Assessing robustness of classification using an angular breakdown point. *Annals of Statistics*, 46(6B):3362–3389, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL http://projecteuclid.org/euclid.aos/1536631277.

Zhang:2018:CMQ

[ZYS18] Xianyang Zhang, Shun Yao, and Xiaofeng Shao. Conditional mean and quantile dependence testing in high dimension. *An-*

nals of Statistics, 46(1):219–246, February 2018. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

Zhang:2016:MRC

[ZZ16] Anderson Y. Zhang and Harrison H. Zhou. Minimax rates of community detection in stochastic block models. *Annals of Statistics*, 44(5):2252–2280, October 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL `http://projecteuclid.org/euclid.aos/1473685275`.

Zhu:2018:MTI

[ZZX18] Liping Zhu, Yaowu Zhang, and Kai Xu. Measuring and testing for interval quantile dependence. *Annals of Statistics*, 46 (6A):2683–2710, December 2018. CODEN ASTSC7. ISSN 0090-5364. URL `http://projecteuclid.org/euclid.aos/1536307230`.