A Complete Bibliography of Publications in the

Journal of Informetrics

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/

29 August 2022
Version 1.15

Title word cross-reference

[BGS19]. g [AK15, ER19b, Gag09, GR09, Rou08, Sch10a, Sch10b, Sch13e,
Tol08, Woe08a, vEW08, vEW09]. H
[ZTG11, ZYCK12, ACHVH09, AOdFC12, BBMP12, BI10, BBL15, BD07a,
BD10b, BMD10, BMHD11, BM12, Bor13a, Bor14b, BGT22, BN21, Bur07a,
Bur07b, Bur13a, Cam14, zChHY13, CGD¹21, CMMT13, CB07, Die15,
Egg08a, Egg08b, Egg10b, Egg10a, ER19a, ER19b, ER21, FM11b, Gag09,
GM12, GP12, GS10, GR09, Kos13a, KHC11a, KHC11b, KHC13, LR08, LF12,
LRWY13, LY14, Mal16, MR13, NT12, NO10, PSZZ12, Pra13a, Pra13b, Rou08,
RYY10, RY12b, RGZSC13, Sch08, SMP12, Sch13c, Sch13d, Sch15, Sma21b,
Van08, WWY21, WLH11, YR08, ZY18, ZRY11, ZY12, vEW08, vEW09],
h²2) [Rou08]. hg [MT10]. k [ZLL+18]. L [LY14]. L²[0, T] [ER19b]. N
[Khr09, BO19]. π [Vin13b]. ψ [Lat21]. Q [dABJGMC21, RLG13, RLG14]. q²
-authors [BO19]. -based [FM11b]. -bubble [Pra13b, RGZSC13]. -core [Cam14, zChHY13, KHC11a]. -cores [LRWY13]. -Degree [ZRY11, ZY12]. -gram [Khr09]. -Index [ACHVH09, AK15, AOdFC12, BBMP12, BBL15, BN21, Bur07a, Bur07b, Bur13a, CMMT13, CB07, Egg08a, GM12, GS10, GR09, KHC11b, KHC13, Lat21, LR08, LF12, LY14, Mal16, MR13, MT10, NT12, NO10, PSZZ12, Per17b, Rou08, RYY10, RY12b, Sch08, Sch10b, Sch13c, Sch13c, Sch13d, Sch15, Tol08, Van08, Vin13b, Woe08a, WH111, YR08, ZY18, Bor14b, CAHVH10, BS19, Bur07b, PS13, Pra13c, Rou08, YZF13]. -indices [ER19b, Gag09, vEW08, vEW09]. -like [CGD +21]. -means [ZLL+18]. -measures [RLG14, RLG13]. -page [KK13]. -related [ZTG11]. -score [Lum07]. -Sequence [LY14]. -subnet [WWY21]. -tail [zChHY13, KHC11a]. -tails [LRWY13]. -type [BI10, Egg08b, Egg10b, Egg10a, ER19a, ER21, SMP12, Smo21b]. -year [Cam15, DGDG13].


357 [BCGM17b].

5 [AORC12a, AORC12b]. 5SQual [MGLF09].

6 [Ron13]. 63 [AORC12b].

7 [RLG14]. 787 [BCGM17a]. 799 [BW22].

9 [RGRE16].

above [dNL15]. above-journal [dNL15]. Abramov [GTD16, Zit16]. abrupt [BSdA+21]. absolute [Vin12]. absorptive [CMN08]. abstracts [LPM16, SD22, BMS+09]. academia [HG14, YPL+22]. Academic [BP122, Ort14, RL18, ADR16, ADS16, CTR1Y21, Cso21, DFHCT21, DFGGB15, DFFBR16, DGV18b, FC10, FM11b, Hag15, HZW19, HWL22, HHC14, wH16, KT18, LYYY09, LHWS18, Luo21, Ma12, MMOMLC18, MD19a, MKM+22, Or15, RA15, RDF+18, SCBB11, SZZ22, Sz21, TV21, VZMFAB16, WG10a, WHL17, WZ21b, WLLL18, WOLD22, YVW+13, ZXS21, ZW21, ZZL+21, ZZ21b, ZY17, KTA18, KT18, The17b, The18c]. academic-network [ZXS21]. academics [Yur17a]. Academy [XIYeG18]. 
axiomatic [BM11b, BM14, BM16, HM21a, HCS19, Woe08a]. Axiomatics [Que11]. axiomatisation [Rou08]. axiomatization [Kon14]. axiomatizations [AK15]. Axiomatizing [Mir13].

ACD12d, ADG21, AA19, AW14, ALW11, ASG12, AORC11a, AORC11b, AORC12a, AORC12b, AHRCV17, Als21, AodFC12, AN18, Ant18, BILL07, BBL19, BD10b, BM11a, BP11, BSMD12, BW13, Bor13b, BLW13, BLW14, BM15, BL17, Bor19, BvR11, CMN08, CGSZS22, CM14, CR10, CHHL11, Ch16, CY22, CRS14, CF16, CA11, CCL18, CPM+07, Din11b, DLGC13, DW21, Don18, DGDG13, DGDGSPSV14, DHL+21, EI10, FT15a, FSZB15, FM10a, GG19, GP12, Gau17, GNZ+19, Glä07, HHAA16, HM21a, HRC12, HKG18, HRC11a, HCL13, HTX+18, HDD+21, HYC15, HCZ21, JFKHS21, JSD14, JZ21, Ke21b, KJS16, KKK21, KP13, KTA18, KT18, LL14, LBB17].

citation
[LBZ16, LWB19b, LSW+10, LYF17, LR07, LHC13, LR08, LY14, LF21, LYC21, LCL+22, LdMAM08, Lun07, Mal16, MD19a, Moe10a, Moe10b, MD12, Nie17, NFH13, NJFD14, Ono16, Ort21a, Paj15, PYCH18, PSC21, PY18, PW19, PD21, Pen15, PSZZ12, Per10c, PS13, PPFBK19, RC12a, RWL12, RZLC21, RCW15, RCC18, SKLR16, San13b, Sch14a, Sch14b, Sch14c, Sch15, SD11, SYW18, SXAC22, SKY+19, SSAGB11, Sir12, Sma09, STP17, Sma18, SLM13, SLW15, SZ10, TS14, TW14b, TF15b, The16e, The16d, The16a, TS16, The16f, The17a, The17b, TN18, The18c, TSRSRG+13, TLV+21, UK16, VMWM17, Van13, Vi16, WL09, Wa14, Wa17a, We13, We15, Wa16a, Wa16b, Wa16c, Wa16d, WJW+19, WZ21a, WXML21, WY21, XMLM21, YY15, YL22, YYW14, YS21, YP21, Yun22, ZH18, ZWBA21, ZLW21, ZXS21, ZS08].

citation
[ZF22, ZZ12, dMAGBLIM18, dNL15, dP11, vEW14, Fin13, SYW18].

citation-based
[ADG21, AW14, HHAA16, LF21, Paj15, PD21, SKLR16, ZZ12].

citation-rank
[BL15].

Citations
[CGD+21, VG10a, ACD12b, ACD12c, AD15d, ADF19, ADD21a, ADD21b, ADD21c, AAK+21, BZL19, BSS22, BAL18, BHM21, BM16, BvECW18, CMCM21, CM14, Che17, DFHC21, FT17, Fin14, FC17, FMM14, Fra07, GAD19, GYZ17, HGJZ17, HCL13, HCS19, KW21, Kos10a, KCH21b, KKI3, LO10, LR11, LQJJ14, LQJJ15, LCY19, LWCH22, MMOMTL18, MSPD16, NMNJM13, Ng17, PWY21, PML21, San11a, San14, San15, SL15, SC21, Sma16, The16b, The19b, Vin13b, We13, Wan14, WS1, ZYCK12, ZL11, OA13].

cited
[ACD14, AD15c, ADD21b, BL12, BM13a, BH16a, BTZY21, BK14, BADFT11, Cam14, CAL15, CQAL21, Cho21, CH14, HW14, HR16, HXT+18, HTLC21, LWB14, LY17, MMOMHL17, MGC18, PD21, Sch13c, Sma18, TB18b, TW14a, TF15a, TMLB16, WJX+12].

citedness
[BL15].

CitedReferencesExplorer [TMLB16]. CiteScore [Meh19]. cities
[BP11, CT16, Cos08, MEG+16]. Citing
[Zit10, ADD21b, BAL18, BADFT11, Cam14, CMCM21, DTG12, GAD19, SD22, TB18a, WZ14]. Citing-side
[Zit10]. CitNetExplorer [vEW14]. city
[BMML21]. city-level
[BMML21]. claims
[FJOROMT22, RC12b]. clarifications
[FGMM12]. clarifying
[ZY21]. class
[AS21]. classes
[BLM13]. Classification
[BP+14, BSdA+21, YYW14, CLC11, CXZ+22b, DU21, FMM16a, GNBVQ+14, Khr09, LRC13,
MLDP21, PRRC17, RC14, RCW15, WW16, ZLJ+10].
classification-system-based [RC14]. classifications
[LBZ16, SJZ+19, SA18]. classifier [SD22, WYX+12]. classify [OLRF11].
climate [HLB+19, HLB+21]. clinical [Ke21b, MCKM08, SD22].
ClinicalTrials.gov [JHK+16]. close [BP11]. closer [GHP21]. closure
[Pen15]. Clues [ZSP+22]. cluster [Wil16]. Clustering
[CF16, VW16, YAL21, CB19, CGM15, FLB22, JS22, LY18, NPS13, WvEN10,
ZLJ+10, ZLL+18]. clustering-based [FLB22]. clusters [Sma09].
CNCIs [PSA21]. Co [KM22, LY18, AAH11, ADR13, BSW17, BAGADF15, CB19,
DN17, IPS21, JSD14, KJS16, KMJ+19, KSJL15, KK07, LW11, Ort14,
PRRC15, PVH21, Sma09, VY10, WW15, Yun22, ZS08, dMAGBLIM18].
co-author [KK07]. co-authored [PRRC15]. co-authors [ADR13].
co-authorship
[AAH11, BAGADF15, DN17, IPS21, KMJ+19, Ort14, dMAGBLIM18].
co-citation [JSD14, KJS16, Sma09, Yun22, ZS08]. co-clustering [CB19].
co-evolution [WW15]. co-invention [PVH21]. Co-keywords [KM22].
Co-mention [LY18]. co-occurrences [VY10]. co-publication [BSW17].
co-reading [KMJ15]. co-words [LY18]. Coauthor [ZLY21, Has13, Per17a].
Coauthors [ZLY21, Xie21b]. co-authorship [Din11b, FGFALG21, Kar14, KK15,
RP08, XOL16, XZKS22]. cocitation [BNbH17, Emo08]. coefficient [LWB19b]. coercive [YYW14].
co-citation [JSD14, KJS16, Sma09, Yun22, ZS08].
collaboration [CN11b].
Collaboration
[WHW+14, ABL12, Abd16, ADM13a, ADM13b, ADM17, ÅBB21, BMML21,
BK09, BRA19, BADFT11, Din11b, DKK+17, ES15, FC10, GY17, GW17,
HDT+13, HRL12, HPZ21, KD15, KP21, KMJ+19, KR21, LW08, LY12,
LRC13, LZH+22, LH22, LRH+21, MAS14, MSY21, OA13, PHMS17,
Per10a, PRCRVQ+09, PVH21, PSA21, SGBMMA17, Sch13a, SXAC22,
SFCK19, Tan13, Vas09, VAdFC13, VCT22, WRA+21, YZF13, ZZL+21, DT13].
collaboration-Collaboration [HRL12]. collaborations
[AMKA21, CZG16, DK21, LWB14, MEG+16, NF13, OSY21, RSRP19,
TS14, TSAH22, Y14, ZZ18]. collaborative
[AAB+21, CRS15, HOC12, JZY+18, LY12, PT17, Tu21]. collaborators
[HL21]. Collective [LJM13]. college [CRS14, CRS15]. Combination
[LLHW22, ADF19]. combinations [BTZY21]. combinative [KP09].
combined [KCH21a, PT09, ZZ12]. Combining
[BnHB17, CMN08, SIZ10, PHMS17, Ron18, YKKS16]. commands
[BO12]. Comment [Glä17, KE17, Mut16, Web17, BW17b, BHM19, Cla16,
Lin18c, Nan16, Pet17, Zit16, vdB18, YAY+17]. commentary [CBT21].
Comments [BCGM17a, BCGM17b, GL11, Mar17, Ron14a, Sch16, AD17c,
Ber10, Bur08, FM17b, GTD16, WvE08, WvE09]. commercial
[MCKM08, SZ10]. committee [vdB12]. Common [ADB12, YY21].


**DAC** [JS22]. D’Angelo [Zit16, GTD16]. danger [Spa10]. Danish [BRA19, FJW+15]. Data [DS21, dABJGMC21, BRA19, BMS+09, BLWSE11, BdMA11, BO12, BLM13, BL13, Bor14c, BH15, BW17a, BL17, BM18, BH18, BHA19, BHM19, BTZY21, BW22, CCL16, Cop19, DGV18b, ER22, FLB22, FHH17, GAW21, HMBI17, HS11, JPL22, KD15, KK12, LL15, LBSA13, LR12, LB21, LSW+10, MAS14, MBD17, MD19h, NV22, NLC17, PL13, QCVRqiMA10, RS16, RGSM+19, Sch16, SW12, SKY+19, SKM22, TW14b, The16d, The16a, The16f, VY13, XLLZ14, XWK+21, XMML21, YKKS16, YDWC08, YSPW09, ZWM17, ZY16, dSSOH07, PW19].

data-based [FLB22]. database [ABS21, ED15, FMM16a, GP11, KP13, Ma12, Ma10, PSI+17, WHL17, YDS+15]. databases [BILL07, DS21, FZDW15, FMM14, SSAGB11, SZ10, VZMFAB16, YDWC08]. DataCite [RGMJC17]. dataset [HWZW22, KJKS22]. datasets [PC10, ZWBA21]. date [BLW14]. DEA [KE17, YAY+17, ACD11b, CrRIY21, XIycG18, XIycG21, YAY+16, YFyS18].


Editor-in-Chief [Egg15, Wal15]. Editorial [Ano08d, Ano15d, Ano16a, Ano16b, Ano16d, Ano17a, Ano17b, Ano17c, Ano17d, BB+11, BD09, BD10a, BFS+18, ZSS+21, Ano07a, Ano07b, Ano07c, Ano07d, Ano08a, Ano08b, Ano08c, Ano09a, Ano09b, Ano09c, Ano09d, Ano10a, Ano10b, Ano10c, Ano11d, Ano11a, Ano11b, Ano11c, Ano11d, Ano12a, Ano12b, Ano12c, Ano12d, Ano13a, Ano13b, Ano13c, Ano13d, Ano14a, Ano14b, Ano14c, Ano14d, Ano15a, Ano15b, Ano15c, Ano16c, Ano18a,
Ano18b, Ano18c, Ano18d, Ano19a, Ano19b, Ano19c, Ano21a, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano22b, Ano22c, Ano22d. editorship [WLLL18, XWZL21]. educated [Yur17a]. Education [BGR21, LTH18, ACD12a, LBSA13, MMC21, SLL+12, VL16, WOLD22].
educational [AZS+14].

Effect [AS21, Don18, SYK22, WWW10, ADD21a, BMML21, BGCGS22, BsdMAM14, Bue21, FC10, GLY21, Hag14b, Hic17, HM21b, JXY21, KD15, LHW21, Lia21, LH22, MSY21, MdMAGB21b, MdMAGB21a, PSA21, SB11, SB13, SZZ22, vV19, vdBM22, BW14, Tol13b, Wan14].
effective [YZYW21]. Effectiveness [DK22, ADR16]. Effects [BD07b, AS17, AAH11, ADG21, AOdFC12, BSS22, BW13, BAL18, BF218, CA11, Cop19, Fra09, HCZ21, Let16, Mag12, ZYCK12, vdBH17b].

Efficiency [BH16b, DBS15, Meg14, PMAT13, GAW21, GDT16, LS14, OG13, XYiG18, MBD17]. efficient [RNB18b].
effort [LA15, AL08].

egghe [Bur08, Pet18, AK15, Que11, Rou14a, Rou14b, WvE09, Woe08a]. eggs [Sir12].

Ego [Ort14, LRH21, RZ15].

Ego-centric [LRH21].

Eggs [Sir12].

Ego [Ort14, LRH21, RZ15].

Embedding-based [XZS21]. embeddings [XZDS21]. emerge [LEW22].

Embedding [WML21].

Embedding-based [XZS21]. embeddings [XZDS21].

Embrace [WML21].

Embrace-based [XZS21]. embeddings [XZDS21].

Energetics [Pra13b].

Energy [BMML21, HYS21]. engagement [DMS18].

Engineering [CRS14, CRS15, LK17].

English [Cha22, LQLJ14].

Enhance [BMDO1].

Enhancing [Tu21].

Entire [PS13].

Entities [ALX+21].

Equal [Kar14].

Equity [Yur16].

Equality [Yur16].

Equivalence [CSH18, Kar14].

Error [Jal11, TLD+21]. errors [BD07a, BD09, FMM16a, FMM16b, MCD16].

Errors/horrors [FMM16b, MCD16].

Evaluating [CJW14, KSS16, WBL12, GG19, Mag12].

Evaluating [CJW14, KSS16, WBL12, GG19, Mag12].

Estimate [SYK22, Bur08, CJF+15, EP07, IPS21].

Ethics [OOB10].

European [APF09, Cso21].

Europeans [RNB18b].

Evaluate [DGV18b, GAW21, HSI11, PRCRVQ+09, WZZ1b].
[AD15a, BGR21, BRN19, Dan16, DVG16, EGR18, KS16, KP13, LK17, XYeG21, dDGFF+21]. evaluation
[ADD19b, ADG21, BLV10, BH15, CAHVH10, CRS15, CCSC21, Cso21, DGV18a, FM11b, GNZ+19, HMBI17, HPNM22, KK19, Kos11, KG07, KTRA10, KHC13, LRCRC13, LYYY09, Mar16, MRR13, MGLF09, NJFD14, Per17a, RGRE15, RGRE16, RYY10, SV18, SC21, SPZ+11, TW14b, The17c, Van11, Vi16, Vi17, Vin14, XMLM21, ZYYW21, YSPW09, ZL11, ZZ21c]. evaluations
[Bor13b, OL10, Sch14a, Sch14b].
evaluative
[BM13b, BW13, BM13a, BHM21, WvEVW16]. events
[Mag13, PTA07].
evergreens
[ZWM17].
everyone
[vL18].
everything
[KK12].
evidence
[AD15d, Ant22, BMML21, BSS22, BPI22, CBT21, KKK17, LHZ+22,
MMCvLLC18, Tan13, TS16, YZ22, YS21, Che17, DLH+21, Glä10, LAT07,
LHTW15, SD22, SW14, WOLD22, YXX18]. evidence-based
[Glä10].
evidences
[LQLJ14, NLK+21].
evolution
[CFK21, AHL12, AMKA21,
BDR14, CTDM17, CLHHVH11, Egg07a, Fin14, Gol14, HKK18, HR18,
JKHS21, JLYM16, JY21, Ke21a, KD15, QLS21, SDL16, WW15].
evolutionary
[KLC21, Egg07a, LB21, McC10]. evolving
[PSG+21].
examination
[HHAA16, JZY+18, LCY19, LY19, RL18, YZ18]. examined
[VY13]. Examining
[AN18, JXYS21, PYCH18, XLG21, ZY17, AL11].
Example
[SD11, AL17, BP11, BW13, BH22, Per10b]. Examples
[Egg08a, Sch14a]. excellence
[BSdMAM16, MSY21, BHCH17, BLWSE11, BHA19, HHAL17, KKK17, Lin18a, Lin18b, Lin18c, Szi21, BdMAL12].
excellence-based
[KKK17]. excellent
[SB11, Tol13a]. Except
[KK12]. exchanges
[LAL09]. excluding
[ADD21b]. exemplified
[BM08a].
exercise
[AD17b, BCGM17a, BCGM17b, DLM+19, FC11, FM17a, FM17b, KK19].
exercises
[ADD19b]. exhaustivity
[ALW11]. exist
[HL19]. Expanded
[CH14, FH13]. Expected
[Smo16, GW17]. experience
[HJ15]. Experimental
[AC09, Fin13, The16f]. Expert
[SKLR16, AW14, HHAA16, LSW+10, SK21, SD11, WXMI21, WS21].
Expert-based
[SKLR16, AW14, SK21]. expert-selected
[WXMI21]. expertise
[RGRE15, RGRE16]. experts
[BM15, BT21]. explain
[TBTB19]. explains
[Vii18]. explanatory
[CCH+09]. exploration
[BnH17, CY22]. explorative
[HLB+19, HLB+21, LHT18]. exploratory
[SMP12, CTDM17, KTA18, TSM09, YDMS12]. explore
[DFCGB15, HR18]. Exploring
[BBML21, CQAL21, CT16, DHLW17, JKHS21, KJKS22, LWCH22, McCI0, SKK15, WX+12, WPZ+13, WJW+19, WLH19, XZKS22, ZYCK12, ZY12, HZW19, ÅBB21]. exponential
[La07, LA15]. exported
[BDJ+16]. Exposing
[RS10b]. exposure
[CGX22, LLW21, SB11].
expressed
[RA15]. extension
[GP12]. Extent
[BD07a, BD09, Mal15, TS16]. external
[BD07b]. Extracting
[FLB22, WWY21]. extraction
[KJKS22, ZL+18]. extreme
[Vii16]. eye
[YDCL13]. eyes
[TSRFAM19].

**F1000** [BL13, BH15]. **F1000Prime** [WS21, Bor14c, BTZY21]. faces
[RGSM$^{+}$19]. facets [MKM$^{+}$22, ZXS21]. facilitate [DHLW17]. factor [ACD12b, AD15d, ADF19, BW17a, BW17b, Bor19, BW22, BRN19, Brz14, Bur13b, CJW14, DGDG13, DGDGPSV14, Egg09, Egg13a, GLY21, HY08, HHC14, MKCM07, MD12, PHANPP13, Pet17, RXL15, San13a, SPT12, SMP12, SW14, WvE08, WvE09, WWW10, Fin13, TSVBAM22, Zit10].

Factors [BM11b, SLL$^{+}$12, TT22, Van13, BSMD12, BL15, Cam15, DT13, Fra10b, HPZ21, JZY$^{+}$18, MD12, Rou16, SSGB11, TF15a, VTPF15, XWK$^{+}$21, ZXS21, Ant18, SYW18].

facilitate [DHLW17]. factor [ACD12b, AD15d, ADF19, BW17a, BW17b, BRN19, Brz14, Bur13b, CJW14, DGDG13, DGDGPSV14, Egg09, Egg13a, GLY21, HY08, HHC14, MKCM07, MD12, PHANPP13, Pet17, RXL15, San13a, SPT12, SMP12, SW14, WvE08, WvE09, WWW10, Fin13, TSVBAM22, Zit10].

facets [MKM$^{+}$22, ZXS21]. facilitate [DHLW17]. factor [ACD12b, AD15d, ADF19, BW17a, BW17b, Bor19, BW22, BRN19, Brz14, Bur13b, CJW14, DGDG13, DGDGPSV14, Egg09, Egg13a, GLY21, HY08, HHC14, MKCM07, MD12, PHANPP13, Pet17, RXL15, San13a, SPT12, SMP12, SW14, WvE08, WvE09, WWW10, Fin13, TSVBAM22, Zit10].

Factors [BM11b, SLL$^{+}$12, TT22, Van13, BSMD12, BL15, Cam15, DT13, Fra10b, HPZ21, JZY$^{+}$18, MD12, Rou16, SSGB11, TF15a, VTPF15, XWK$^{+}$21, ZXS21, Ant18, SYW18].

faculty [WS21, ZY17, ZZN19].

failure [Moe18, Wou18].

fair [Gag13, Sir12].

fairness [RC12a, Sir12].

fame [WHLT18].

familiar [SB11].

Family [Kos13b, BH18, H¨ur15, LBK$^{+}$21, Sch10c].

Family-tree [Kos13b].

far [WWML14].

Farewell [Zit16, AD16b, AD16c, GTD16].

feather [Tan13].

feature [AOdFC12].

Features [CFK21, ED15, ADD22, BGGB13, HY21, HTLC21, KBP09, SD22, VG10a].

fee [DCM21].

fee-charging [DCM21].

feeds [LAT07].

fellowship [BD07b].

Female [TT22, KdBOK15b].

females [The18b].

Ferrers [Egg10b, FM10a].

fiber [MF21].

Field [Ron12, Ron13, RCW15, WvE15, ACD11b, ADM13a, ADS17, AD21, ADD21b, BMM1.21, BMS$^{+}$09, BM11a, BM18, BHM21, CMN08, CTD1.7, CR1Y21, CLHHVH11, CA11, DFCGB15, DGDGPSV14, FZDW15, FM14, GAB11, HDB22, HRC12, Jar07b, KSS16, KHC13, LO10, LRCRC13, M-C10, MCKM08, MD19b, ¨OSY21, OL10, PD21, PPFKB19, RY10, RCC18, SD11, SDL16, TS16, TF17a, The17c, TdR21, Wu13, WLLL18, WOLD22, ZXS21, YDMS12, KLC21, PPFKB19].

field-adjusted [KSS16].

field-categorization [HDB22].

field-independent [PPFKB19, Wu13].

field-normalization [BM11a].

Field-normalized [RCW15, WvE15, BM18, BHM21, HDB22, ZXS21].

field-standardized [ACD11b].

Field-Weighted [PPFKB19].

fields [AD14, ASS22, ACHVH09, BAGADF15, BH22, Fin14, Gol14, HGJZ17, JKHS21, Let16, MF21, MEVQR21, Per10b, RCC18, San11b, SYP$^{+}$16, SROdFC13, SZ10, SDL16, YDCL13].

fight [Gl¨a17].

film [LBK$^{+}$21].

final [VCG14].

Finding [CXM07, PT08, Sir12, ZLR16, CSH18, LWWL14].

Findings [PVH21].

fine [HHAL17].

fine-grained [HHAL17].

Finnish [SK21].

First [SB13, dABJGMC21, Eom08, FC11, H¨ur15, LT13, ZS09, EBG11].

first-author [ZS08].

First-Citation-Speed-Index [EBG11].

fitness [CLR$^{+}$17].

Five [Egg12b, AC09, AN18, BLW13, The18b].

flipping [BRN19].

flock [Tan13].

flow [DHLW17, MLCL21, PY18].

flows [ADC19].

fluidness [WH15].

focus [MF21].

focused [ACHVH09, BSDMAM14].

foothold [Cha22].

force [CJF$^{+}$15].

Forecasting [JSSK14].

foreign [YZ22, Yur17a].

foreign-educated [Yur17a].

forest [Van12a].

forestry [PMAT13, Van08].

form [LRG13].

formal [RY12b].

formation [Abb16, LW08, NF12, SVKM21].

formed [YZ18].

formula [BBL15].

formulas [The17c].

Four [HTX$^{+}$18, BFM$^{+}$18, LG11, MF21, ZXS21].

fractal [ADS17].
Fractional [LO10, ZL11, BM16, HCS19, LP17, MD19b, PWY21, PRRC15, PRWvE16, RC12a, SRZ19]. fractionalised [ASG12]. fractionally [Sch10a].

framework [AAB+21, BHA19, BGT22, KPB09, LRG13, RZ15, BM12, Jar07a].

Framing [SL12]. Franca [YXX18]. Franceschini [BCGM17a, MCD16, AD17b].

free [Moe18]. frequencies [CM14, KK07, Sch14b]. frequency [ER22, Khr09]. frequently [LWB14].

Front [Ano14a, Ano14b, Ano14c, Ano14d, Ano15d, Ano15a, Ano15b, Ano15c, Ano16a, Ano16b, Ano16c, Ano16d, Ano17a, Ano17b, Ano17c, Ano17d, BM12, Jar07a].

frontier [MBD17, OG13]. frontiers [KE17, MBD17, YAY+16, YAY+17].

FSS [AD16a]. fuel [HYC15]. fuels [ZSP+22]. fulfilling [LY19]. Full [LP17, PYWH15, PYCH19, PRWvE16, WZ21b].

function [ACD11a, Laf07, San14]. Functional [Cho21, Egg13a, ZWM+16].

fundamental [ST19]. fundamentals [CZG16]. funded [DK22, ETGS21, KP21, LY19, MBD17].

Funding [SV18, AS17, ABB21, DLGT19, GHS21, HM21b, KKK17, LW09, Lia21, MLDP21, VS13, Wal17b, Wu15, WYLL18, YVW+13, YLZ18, vdBHS17b].


FWCI [PPFKB19].

G [KE17, YAY+17]. G.-l [KE17, YAY+17]. Game [BGS21, Még18]. gap [Hag15, JS14, KK21].


Gender [ADM13b, AAD21b, BMD07, FJW+15, HSE22, Kos15, KR21, LHDH21, MB11b, Nie17, TBTB19, TBM+19, WYLL18, ACD15, AN18, AF17b, MBD08a, GÁCC17, LHZ+22, RA15, SXAC22, ZHS+22, CCM21].


Genealogical [CFK21, RFMC17]. genealogy [RDF+18]. General [Egg07a, RZ15, Sar08, SGDSP10, ZWM+21].

general-purpose [ZWM+21]. generalised [BBL19, GS10]. Generalization [Yun22]. generalizations [vEW09].

Generalized [WFC14, BMD08a, Cho21, Egg11, ER19b, ER21, Gag09, GM12, LBB17, Smo21b, LH21]. Generalizing [Ng17, vEW08].

generally [KP13]. generated [HSMB18]. Generating [PTA07, LR12, SGDSP10]. Generation [JLYM16, AAB+21, BM15, Kos10a].


geopolitical [HPZ21]. geotemporal [WHL17]. German [Bue21].

Egg13b, FCAD21, FM10b, GS10, Kon14, Kos09, Kos10a, Kos10b, Mir13, Que09, Que11, Ron07, Sch10c, SMP12, Sch13d, Sch15, SG07, Viū16, Vin13b. **Hirsch-index** [Egg13b, Vin13b]. **Hirsch-type** [GS10, Kos09, Kos10a, Kos10b, SG07, Viū16]. **HistCite** [BM12, Gar09]. **historical** [LB21]. **histories** [CF16]. **history** [Gar09]. **HIV** [RYY10, XLG21]. **hoc** [ZY21]. **holes** [HYS21]. **homophily** [KR21]. **hooked** [The16d, The16a, The16b]. **horrors** [FMM16b, MCD16]. **Horse** [DCM21]. **hot** [BW11]. **HTTP** [KK13]. **human** [CKKY21, RS16]. **humanities** [DG21, TSM09, VW16, YZYW21, TSRFAM19, VE14, WHH21]. **hurt** [Ley13a]. **Hybrid** [LB16, PRCRVQ°09, ZSH°16]. **hypothesis** [MJB11].
importing [BO12]. improve [BLW14, Sch14b]. improved [ALX+21, YHS18]. improvements [BL12]. Improving [CLR+17, SRP15, WZ21a, BNH17, PMAT13]. In-code [Als21]. in-group [RL18]. in-press [KTA18]. in-text [BvECW18, PWY21]. Inbreeding [BP12]. InCites [BL13]. Including [BK14, ADD21b, BLW13]. inclusion [TMK16]. inconsistency [BN21]. increase [Vin13b]. Increasing [HYC15, Vin13b]. increment [Rou14b]. incremental [SD22]. increments [Egg13b]. Independent [FH13, AD16b, AD16c, GG09, GGSG10, GTD16, Kos09, PFPKB19, Wal16c, Wu13, XIYeG21, Zit16]. Index [ACHVH09, CH14, FH13, NMNJM13, AK15, AOdFC12, And17, BBMP12, BBL15, BGS19, BD07a, BD10b, BMD10, BMHD11, BM12, Bor13a, BGT22, BMT11, BN21, Bur07a, Bur07b, Bur13a, CMCT13, CB07, Don17, Egg08a, Egg13b, Egg14, FCAD21, FGMM12, FGMM13, GM12, GLW+21, GP12, GS10, GR09, Kak16, KP13, Kon14, Kos09, Kos10b, Kos12b, KHC11b, KHC13, Lat21, LR08, LF12, LY14, Mal16, MR13, MRBI17, Mir13, MT10, NT12, Ng17, NO10, Ono16, PSZZ12, Per17b, PS13, Pra13a, Pra13c, Que09, Que11, RFMC17, Ron07, Ron08, RYY10, RY12b, RY12a, Rou14a, Sch08, Sch10a, Sch10b, Sch10c, SMP12, Sch13c, Sch13e, Sch13d, Sch15, To108, Van08, Vin13b, Vin14, Woe08a, WLI11, Wu13, WYLL18, WLLL18, YZF13, YR08, ZYZ18, ZYCK12, BMS+09, Bor14b, CAHVH10, DG21]. Index [EBG11, PW19, SYW18, SK14, TSRSRG+13, WHW+14]. Indexed [TDK21, MmMAGBLi21b, MmMAGBLi21a]. indexes [CGD+21, ZS10]. India [TBM+19]. indicate [Che17]. indications [BMD08a]. Indicator [LO11, ACD12a, AD15a, ADS16, BSW17, BD10b, BH16a, BH18, BGT22, GPGBMA10, GBMA12, HDD22, HHC14, JZ21, Ley12, Ley13b, Min14, Mo10a, SK21, Sch13c, Sch14a, Smo16, So107, TS16, The17c, VG10b, Vin12, WYLL18, XZS21, ZZ12, BDMAL12, TSBBAM22, KTR10]. Indicator-JCI [TSBBAM22]. Indicators [LR11, LB21, AD16b, AD16c, AAK+21, AZS+14, AGS12, APF09, BL13, BM19, BHM18, BHM19, BT21, BTZY21, CCC+18, CMCM12, CB07, Cso21, DLM+17, EGR18, EI10, FT15b, FM11b, Gau17, Gla10, GTC16, HSB16, HRC12, HTX+18, HCC21, LW09, Lin18c, LF21, Még14, Még18, Ort15, Ort21b, PRCVRQ+09, RC12a, RC12b, RC15, RC16, SMP12, SW12, Sr12, SM18, SKM22, The16c, TF17a, VCG14, Vi16, WvE13, WvE15, Wal16b, Wal16c, WZ21a, Wil16, Wu13, Zit16]. indices [ABS21, BI10, BM14, CGSZS22, Egg08a, Egg08b, Egg10b, Egg10a, Egg11, ER19a, ER19b, ER21, Gag09, GPNA13, HRC11b, KS16, Kos13b, LB21, SG07, Smo21b, Woe08b, Woe14, vEW08, vEW09]. indirect [JZ21]. Individual [ACD13b, RCC18, ADR13, BGT22, BP+14, Cso21, DFCGB15, DWW21, FM11a, Lin18a, Lin18b, Lin18c, Mar16, PRCVRQ+09, RLZC21, San11a, San13b, San13a, San14, TW14a, TF15a]. industrial [Han07]. industry [FZD15, Még14, Még18]. inefficiency [YFyS18]. inequality [DWW21, Hag15, TBM+19, WYLL18, ZY17]. infection [RYY10]. infer [Nan16]. inference [BBMP12, HDD+21, Sch16, SKM22, Wal16a, Wal16d].
KCI [KP13]. kernel [ZLL+18]. key [Ron18]. keyword
[BSHK21, HTLC21, LLH+21, YHWZ16, YBL+22]. keywords
[CX16, HLB+19, HLB+21, KM22, LLH+21, UK16]. kilometres [WTvE11].
kings [GL11]. Know [vL18]. Knowledge
[BSHK21, HTLC21, LLH+21, YHWZ16, YBL+22]. keywords
[CX16, HLB+19, HLB+21, KM22, LLH+21, UK16]. kilometres [WTvE11].
kings [GL11]. Know [vL18]. Knowledge

1 [KE17, YAY+17]. laboratory [MCKM08]. landmark [CCL18]. Langmuir-type
[San14]. language
[LQLJ14, LQLJ15, MdMAGBLI21b, MdMAGBLI21a, SL15, WZ21b, YXX18]. Large
[WW16, BW17a, BL17, BW22, BK14, BvECW18, KJKS22, KR21, LY+17, LCL+22, MMCvLLC18, PSI+17, RA15, The16c, VMWM17, ZLM18]. Large-scale
[WW16, BW17a, BL17, BW22, BK14, BvECW18, KJKS22, KR21, LCL+22, MMCvLLC18, RA15, ZLM18]. Larivi`ere [vL18]. last
[LT13]. Latent [MD08b, BMD08a, TD10]. law
[AL17, CCC+18, Per10b, The16d, The16a, The16b, TV21, YR08]. Laws
[BGLS22]. layer [ZWM+21, ZY21]. layered [LRG13, RLY12]. layers
[LWB14]. LDA [XZDS21]. Leadership [SC21, MAS14]. Learning
[LJJ21, AA19, CXZ+22b, ETGS21, Khr09, MA21, PYWH15, Reh21, TA22, Xie22b, XHA+21, ZLL+18, ZF22]. Least
[AL08]. leave [ADD19b]. LED
[CHHL11]. Leiden [FHH17, OL10, PRRC15]. Leimkuhler
[BSK10, Sar08, SGDSP10]. length [ACD11a]. Leo [Pet18, Rou14a]. less
[RNB18b]. level [ACD11a, ADS11, AD13a, AD13, ADD17, ADD21a, AD21]. ADD21b, BML21, BS4D21M41, BPU+14, BSA21, CY22, CB07, Csa21, DGV19a, Jar07b, KE17, LW09, LO10, Lin18a, Lin18b, Lin18c, LCL+22, MMOMLC18, PPRC17, PPFBK19, SJZ+19, SA18, TLM+21, W16, YG14, YZ18, YAY+17, YY+17, ZZ21a, dNL15]. levels
[LG11]. Leydesdorff
[Bor10, Rou19, vRVLY+16]. libraries
[Als21, MGLF09]. Library
[XWZL21, BB11, BI0, LSW+10, LZR15, PYCH19, PB16, ZY17, AYL14, GAB11, SAD17, SSM19]. life [ADR13, BSK10, LLGM21, LHWS18, OR18]. lifecycle
[LL14]. Lifting [Lum07]. like [AD16b, AD16c, CGD+21, GDT16]. Limit
[Ant18, Gag09]. limitations [CB07, RGMJC17]. limiting [vEW09]. limits
[BLM13]. Lindahl [vdBS18]. line [LBZ16]. linear
[AF15, Cho21, Per17a]. linearity [LCL+22]. Linguistic
[AY18, YXX18]. Linguistics
[AH22, LBD+19]. link [Abb16, BSHK21, KLI21, RL18, TB18b, YDS+15]. linkages
[DLGT19, DLH+21]. linked [XWY+21, XYP+22]. links
[CHHL11, GW17, KHC18, Per10c, SLL+12]. List
[Ano10e, Ano11e, Ano12e, Ano13e, Ano14e, Ano15e, ADZ18]. listed [Cam14].
lists [Kos12d]. Literature
[CFK21, HMBI17, ADD21c, Chi16, CPM+07, HKA+09, KCK21, LYC21, LZH+22, LW10, McC10, NPS13, NO07, PD21, PB16, TB18a, VZMFBAB19, WRB+11, Wal16b, XLZL14, XM14, YAL21, ZTG11]. Literature-based
[CFK21]. literatures [McC10]. live [WHLT18]. lme4 [LCY19]. local
[RWL12, WX21, YXX+17]. located [HCL13]. locations
[HCL13, YXXW19]. log [Per10b]. log-normal [Per10b]. logistic
[BsdMAM16]. Lognormal [SYW18, AF15, The16d, The16a, The16b, Vîi18].
Long [RSRP19, WHLT18, ADF19, Glã07, SAFR22, SLW15, WZ21a].
Long-term [RSRP19, ADF19, Glã07, SAFR22, SLW15, WZ21a]. longer
[TN18]. longitudinal
[Abb16, LB16, Ort18, PD21, Pen15, PB16, SLB13, Tan13]. look
[Mag13, WWML14]. Lorenz [BBL19, Egg10b, LBB17, SGDSP10]. lost
[Bur08, EP07]. Lotka [KK07]. Low
[MRR13, AORC11a, AORC11b, AORC12a, AORC12b, KP13]. low-
[AORC11b, AORC12b]. Low-cost [MRR13]. low-impact
[AORC11a, AORC12a]. LS [XWZL21].

machine [ETGS21, KMS21, Khr09, MA21, Rhen21, TA22, XHA+21]. Macro
[DLH+21, LW09]. Macro-level [LW09]. made [VCG14]. magnitude
[TF15b]. main [CXZ+22a, HLHC22, XLLZ14, YDS+15, YS21, YP21].
mainstream [LLH12]. Maisano [BCG17a, AD17b]. major
[PTA07, SGGMF18]. make [BK14, LH21]. makes [HPNM22]. malaria
management [CtRY21, KSJL15, Nie17, SCBB11]. Mantel [Sno19].
Manuscript [Pet21, BGCGS22]. manuscripts [CSdFCA17, Sch08, Sch10b].
many [MKM+22, RGSM+19, SW12, The16b]. map [BsdMAM14, BK14].
Mapping [BLWE11, CLR+17, GHP21, KB14, RBV07, SDAJ17, SDL16, TSRSRG+13, TSRFM19, AC09, AC17, BL12, CMN08, LW11, MCKM08, PYCH18, WvEN10]. mappings [BNbH17]. maps
[BW11, HKK18, LR12, LBZ16, NPS13, SRP15]. marginal [BW13].
marketing [MT10]. Markov [BMD08b, DFHCT21]. Markov-switching
matched-pair [LLW21]. matchedness [LY19]. matching
[BHM21, FJW+15, dSSO807]. material [RJDD08]. materials [Mag12].
Mathematical
[Egg09, Egg12a, RLG13, RLG14, BN21, Egg13b, San13b, KdBOK15a].
mathematicians [LYZ+17, Lin18a, Lin18b]. mathematics [WCG12].
matters [SJG17, vdBS18]. Matthew
[BW14, Lia21, SG12, Tol13b, Wan14]. maturity [DGDG13]. maximum
[DGDG13, AL08]. may [BBL19, Aro22e]. McCall [Ley12]. MDNRS
[BH16c]. mean [BSK10, BBL19, BH16c, The16f, Vîi17]. mean-based [Vîi17].
meaning [RH13]. meaningful [BL14]. means [Egg13b, HSB16, ZLL+18].
measure [ADR16, BSW17, BDR14, BD10a, BTZY21, GTD16, HHC14, MD18, RGRSM+19, VY10, YZF13, ZYZ18, ZSH+16, ZRY11, dIVV18].
measured [ADD21c]. Measurement [ZWDS21a, ZWDS21b, ACD11a, Abr18, AORC11b, AORC12b, ALX+21, BMD10, HLR17, HCZ21, LWB19a, LLHW22, MBD10, OG13, Rou19].

MNCS [GTD16, LO11, AD16a, AD16b, AD16c]. MNRS [BH16c]. mobility
[GHP21, HZW19, LH22, MKM+22, RGS*M+19, YZ22, ZBK+21]. modality
[MdMAGBLI21b, MdMAGBLI21a]. mode [DN17]. model
[AoDFC12, BHCH17, Bur07a, CmRlY21, Cop19, ER22, FGMM13, HKK18, HTLC21, JSSK14, JS14, JY21, KdBOK15a, LWWL14, MJB11, MD18, OOB10, SG12, TF17b, VCG14, XOL16, Xie21b, Xie21a, XlYcG18, XYP+22, YZ15, YFyS18, YR08, ZLYC21]. model-based [JS14, YZ15]. modeled
[NF12]. Modeling [SPT12, VGRB16, WLG09, BMD08a, BMD08b, Bor19, Brz14, CTGM15, LYYY09, MD19b, YKKS16]. Modelling
[AF15, Még18, NV22, BP22, The16d, The16f, YDWC08]. models
[ACD14, LWB14, MGC18, PD21]. most-frequently [LWB14]. mountain
[CMMC21, GHP21]. multi
[BsdMAM14, Bur08, EP07, KE17, Kos12d, KTA18, LJJ21, LWWL14, LF12, Moe18, RRKH17, RS10b, Sch08, Sch10a, Sch10b, YAY+16, YAY+17, ZZ21a]. multi-author [Kos12d, RRRK17, Sch10a]. multi-authored
[LF12, Sch08, Sch10b]. multi-copy [Bur08, EP07]. multi-discipline
[BBS21, HDT+13, LS14, The17b, The19a, ZZ18]. multilayer [KCK21].
multilevel [BBS21, BMHD11, BsdMAM16, Bor19, MD19b]. multilingual
[XZDS21]. multiple [ASS22, BNNH17, CXZ+22a, CH15, XHA+21, ZZ21c]. multiplex [KLI21, ZY21]. Multiplicative [PRRC15, HRC12]. Multiplicity
[Sch14b]. myopia [PPP18]. mystery [C16]. myth [HRL12].

[DK22, FT15b, Mar15, Mar16, TS16, ACD11b, AD14, ASG12, BAL18, CzG16, FT15a, HM21b, KK19, LBSA13, SV18, dMAGBL18]. national-scale [ACD11b]. nationally [MdMAGBL121b, MdMAGBLI21a]. nations [AD21, ADD22, AZS+14, HG14, PCPG17, TF17b]. natural
[BAL18, CA11, Wal14, WZ21b]. natural-sciences [BAL18]. nature
obesity [CLR+17]. Object [YDC08, GMFGVZ16]. Object-relational
[YDC08]. observation [ACD12e, ACD12d, Glä07]. observations
[vdBHS17a]. occurrence [BvR11]. occurrences [VY10]. Odds
[SM18, Smo19]. oevure [ALW11, Moe10a]. often [SVKM21, WXP+12]. old
[Sch10c]. omitted [FMM14]. oncological [LldMAM08]. ONE [Pet21]. ones
[ACD14]. oneself [Sir12]. ongoing [PT08]. Online [CCL18, KTR10, CBT21,
FJOROMT22, KSJL15, MMOMC18, MS09, OA13, SAFR22]. only [Vin13b].

Ontario [GAW21]. open [Alb21, CPM+07, ED15, Fra09, LB16, LLW21,
MMCvLLC18, SLB13, SZ10, SL12, Zit16, vV19]. open-access [SZ10].

operationalised [Vas09]. operations [CrRIY21]. Opinion
[YKKS16, Glä10]. opinions [WS21]. opportunistic [ADD19b].
Opportunities [BLM13, Smo21a]. opportunity [AZS+14, PY18]. Opthof
[Bo10, vRvLv+10]. optimal [CGD+21]. optimization [BHH+07].

optimize [MLDP21]. Optimizing [GNBVQ+14]. options [The16d, ZZ12].
oranges [ACD13b]. ORCID [GHP21]. order
[ADR13, GPNA13, Kos12d, MKCM07, SB13]. order-effect [SB13]. orders
[HDY12, LRE17]. Ordinatio [GSV+21]. organization
[Dan16, DKK+17, VY13]. organizational [BHH+07, HMU13].
organizations [KS16, VY10]. orientation [BAL18, Luo21]. orientations
[TBTB19]. oriented [MdMAGBLI21b, MdMAGBLI21a]. Origin
[VZMFAB19, OA10]. originality [HWL22]. originating [The19b]. other
[CB07, Egg08a, HLB+19, HLB+21, Jar07a]. our [BL12]. outcome [Sch14b].
outcomes [AZS+14, CMCM122, JZY+18]. outgrow [HRC11b].

outperform [FSZB15]. output
[ADZ18, ADD19a, BGCL07, BMD10, CM14, Cso18, ETGS21, FM10a,
FM11a, FM11b, GHS21, Hag14a, Hag15, Hic17, Kos11, Kos12a, LW09,
Per10b, PSI+17, RC16, San11a, SY+16, YLZ18, vdBHS17b]. output-based
[vdBHS17b]. outputs [LYF17, OLRF11, XIYG21]. overall
[ACD13a, HSMB18, Lat21]. Overture [MGC18]. overestimate [Wal14].
overlap [SVKM21]. overlays [LR12]. overlooked [KCH21b].
overrepresentation [MGC18]. overtime [WXP+12]. overview
[Bo14a, FM10a, PTA07, TB18a]. Oxford [vL18].

P100 [BLW13, Sch14c, Sch14a]. pace [TLD+21]. package [Gag11, LCY19],
packages [LY18]. page [KK13]. PageRank
[CXMR07, Fia12, FSZB15, FT17, MD19a, NJFD14, NC15].
PageRank-based [FSZB15, FT17]. Pages [BW22, Pet18]. pair
[JXYS21, KK07, LLW21, MRBI17]. pair-wise [MRBI17]. pairs [ASS22].
pancreatic [JHK+16]. pandemic [LZH+22]. pandemics [ZZ11]. panel
[AZS+14, YSPW09]. panels [RGRE15, RGRE16]. Paper [DLH+21, BZL19,
BGCMI7b, Bor10, BH16c, DHLW17, DVG16, DGV19b, FM17b, GM12,
Glä10, GTD16, KKK21, LPM16, LHC13, PCCN21, RRKH17, SJZ+19, ZF22].
Papers [WG12, BMS+09, BM12, BL12, BH15, BAL18, BT21, CAHVIH10,
null
Redmi [SX21]. reduce [CCC+18]. reduction [HCC12]. REF [BHA19]. refere [DCG+19]. referees [RBV07]. Reference
[SXGMD18, ADZ18, BM13a, BL14, EGR18, Kos12a, KSJL15, LR10, PSG+21, TMLB16, CH15, NF08]. Referenced [LBMM14]. references
[BH16a, BTZY21, Cam15, DLGC13, HSHL17, LAL09, Ron18, Sta21, SWHC15, TB18b, TMLB16, ZLW21]. referencing [ASS22, LCL+22].
refined [SZR+19]. refinement [HCC12].

Referee [DCG+19]. referees [RBV07]. Reference
[SGGMF18, ADZ18, BM13a, BL14, EGR18, Kos12a, KSJL15, LR10, PSG+21, TMLB16, CH15, NF08]. Referenced [LBMM14]. references
[BH16a, BTZY21, Cam15, DLGC13, HSHL17, LAL09, Ron18, Sta21, SWHC15, TB18b, TMLB16, ZLW21]. referencing [ASS22, LCL+22].
refined [SZR+19]. refinement [HCC12].

Reflections [RY12a]. reflects [BM15]. regarding
[AD17b, BCGM17a, ZZ21b]. regionalization [GHP21]. regions
[BW11, BL12]. Regression [TW14b, AAH11, AF15, BD16, BShdMAM, CR514, GG19, MD19b, Per17a, The16d, YKK16]. regular [ZG12].

Regularity [FM11a, HW14]. reinforcements [MF21]. rejected
[BMS+09, BLV10]. Rejoinder [AD16c, LQMJ15, BW17b, FM17b, Lin18c].
rel [AAB+21]. related
[ABB21, BH22, CCC+18, KB21, LZH+22, RY12a, TMK16, Wil14, ZTG11]. relatedness [SRP15, VY10]. relation [ADD21b, AL08, BSK10, Bur13b, CXZ+22b, CB07, Egg13a, HHA16, JXYS21, Rout08, RY12b, SYW18].

relational [Mal10, RS10b, YDWC08]. relations
[ALX+21, HSB11, LW09, LBZ16, YDCL13, dNL15]. Relationship
[AZS+14, Ort15, AD15d, ADM17, ÁBB21, Ant22, BAGDF15, FMM14, R+21, RP08, ZB+21]. Relationships
[VY13, BnBH17, CCH12, JZY+18, Még14, Még18, RFMC17, SVTDF11, SLNC13, ZH18, dMIAGBML18]. Relative
[KLC21, CA11, HCH21, LWB19b, LF21, RRKH17, SYP+16, Vin12, PPFK19]. relevance [GAB11, HILC22, KCH21a]. relevance-based [HLHC22].
relevant [CHHL11, LBMM14, Sch13d]. reliability
[Ng17]. RePEc [SW12]. replicability [BP22]. Reply
[YAY+17, vRvLV+10]. Moc18, vdBHS17a]. Report
[BDMA11, BDMAL12, HKA+09]. reporting [BMHD11]. reports
[HPN022, Cam14, TDKZ21]. repositories [XWK+21]. represent [Wal17a].
representation [DKK+17, PS13, VE14, dLVV18]. representations [LJJ12].
representative [NZ+16, ZLR16]. represented [QCVQdM10].
reproduce [AODFC12]. reputation [MD19a], requirements
[HM21b, KK21]. Research
[AJ13, BRN18, DN17, GÁCC17, GHS21, KB17, LYYY09, MS09, NPS13, PW19, RC16, Van11, XZS21, Yan14, YZ18, ZLY21, vL18, AS17, AHL12, ACD11b, ACD12a, ACD12c, ACD12d, ADM13b, ADR13, ACD13b, ACD13a, AD14, AD15a, ADG15, AD15c, ACD15, ADG16, ADS17, ADM17, AD17b, AD18, AD19, ADD19b, ADD21a, ADD21b, ADD21d, ALW11, AZS+14, ASG12, Al21, ÁBB21, AH22, AYL14, AMKA21, BSHK21, BGCL07, BCGM17a, BBS21, BDR14, BAGDF15, BMD10, BLV10, B0r10, BM12, Bor14a, Bor14b, BShdMAM14, BH16b, BHA19, BH22, BPU+14, BRN19,
Bue21, CCC+18, CMCM22, CLR+17, CM14, CG11, CRIY21, CRS15, CZG16, CLHHVH11, Coo08, CFvL19, CJF+15, CT16, Cso21, Dan16, DLM+19, DT13, DK22, ETGS21, FT15a, FT15b, FLL22, FC11, FM11a, FM11b].

research [FM17a, FM17b, FHH09, FHH17, FH13, GLW+21, GNZ+19, GAB11, HHAL17, HJ15, HGJZ17, HM21b, HPZ21, HPNM22, HCC12, IST10, JSSK14, Jar07a, JHK+16, JZY+18, KS16, Ke18, Ke21b, KYC12, KK19, KSS16, KTR10, KHC11a, KHC13, KKK17, KR21, LS14, LL15, LJ21, LW09, LYF17, LY19, LT21, Lia21, Lin18a, Lin18b, Lin18c, LHTW15, LZH+22, LLHW22, MAS14, MLD21, McC10, MMY17, Moe10a, MdMALIV11, MCKM08, MBD17, Nie17, OL10, ORF11, Ort14, Ort21a, PYCH19, PL13, PD21, Per10b, PRCRVQ+09, Per10c, PC10, RGRE15, RGRE16, RS10a, RNB18a, RNB18b, RL22, SV18, Sch13b, SAFR22, SD22, SA18, Sta21, SZ10, SL12, TS12, The17a, TFB17, The17c, Th18b, TBTB19, TBM+19, TWH08, TA22, TD10, VS13, Vas09, VG10b, VCT22, Vii17, WRB+11, Wal17b, WG10a, Woe14].

research [Wu15, WYH17, WYYL18, XZKS22, XIYr18, XLG21, XHA+21, YDMS12, IYFY118, YZYW21, YLZ18, YZ22, YSJ21, YP21, ZZL+21, ZHS+22, ZBK+21, ZL11, ZZ18, dMAGBLIM18, vV19, vdBHS17b, SVK21].

research-focused [BSdMAM14].

research-front [Jar07a].

researcher [ACD12e, BH16b, CRS14, GFGALG21, KMJ+19, MD18, WOLD22, XZKS22].

ResearcherID [BW22, BW17a].

researchers [ADS11, ACD13a, dABJGMC21, BW17a, BW17b, BW22, BGT22, BRN19, CGM15, CGFI+19, FT17, GP12, HLB+19, HLB+21, Let16, LSW+10, LRH12, Mari16, NLC17, Pet17, PUK21, RJDD08, Tol13a, Xie21b, Xie21a, Yur16, Yur17b, ZW21, Pet18].

ResearchGate [LTH18, YZ18].

resolution [LJJ21, SCMG16].

resource [CKKY21, FJOROMT22].

resourcefulness [PUKR21].

resources [CGM15].

respect [CA11, Mal16].

Response [AD17c, But17, WB16b, AF15, BHM18, BHM19, MCD16].

responses [SX21].

resting [The16e].

Restricting [Sch15].

restriction [GPNA13, HR18].

restructuring [DFFBR16].

results [AORC11b, AORC12b, Egg12a, PRCRVQ+09, TBTB19].

Rethinking [KK15].

retiring [Egg15].

Retracted [ZWDS21b, ZWDS21a].

retraction [LWCH22].

retrieval [CTDM17, CCL18, MRR13, YDMS12].

Return [NF08, YAL21].

returns [IYFY114].

reveal [LPWZ22].

revealed [Ser10, SYP+16].

Revealing [ADD22, GLW+21, PHSM17].

reveals [HKK18, VS13, XMLM21].

Reversing [Hag14b].

Review [BG21, HMBl17, Pet18, vL18, ACHVH09, BI08, BD07a, BMD07, BMD08a, BMD08b, CR10, CPW+07, DCM21, DCG+19, KCC21, MGC18, Moe18, MRR13, NO10, SG12, WRB+11, Wal16b, ZXS+22, CF16].

reviewed [BS13].

reviewer [BD07b, GHS21].

Reviewers [Ano10e, Ano11e, Ano12e, Ano14e, Ano15e, Ano13e, BSG19, BGC22].

reviews [BGBG13, GSV+21, MJB11, PD21, WLH19].

revised [Ley13b].

revisited [Egg13a, Kos12d, vdBHS17b].

Revisiting [ACD12c, Abr18].

revolution [RS16].

rewarded [CSC21].

RG [LTH18].

rhetorical
rhythm [LR10]. rising [PTV17]. risk [SM18]. risks [RNB18b].
Rivals [vRvLV+10]. Robust [Sta21, SW14, Zit10]. Robustness
[BP22, Gläi10, Mal16]. role [ADD21c, ABB21, BS17, DK12, HCC12,
MSL]14, SJGBMA17. Sma18, Tu21, WG10a, vdBHS17a. Ronald [Pet18].
[BGCGS22]. RSS [LAT07, PTA07]. rule [MLDP21]. rule-based [MLDP21].
rural [CFvL19]. Russian [CK22, MSY21].

Saint [SG12]. Same [AD15a, Dan16, GAD19]. sample [BGCGS22].
samples [BM13b]. Sampling [WB16a, WB16b, Cla16, KRM14, Mut16].
Sandström [Lie11c]. SAO [YHS18]. scalability [BP22]. scalable
[CSH18, AAB]21. scale [ACD11b, Ant18, BW17a, BL17, BW22, BK14,
BvECW18, DBS15, DGV18a, GG09, GGS10, KJKS22, KR21, LCL+22,
MCCvLC18, PAS12, RA15, SKK15, WW16, IYRyBL14, ZH18, ZLR16].
scale-independent [GG09, GGS10]. scales
[CH15, Egg10a, Gläi07, Vi17, Vi18]. scaling [ACD12b, ACD12c]. schemas
[BHH]07. scheme [DU21, ZWG+19]. schemes [ADG21, KK15]. Scholar
[OA13, AJ13, CB19, FC10, MKM+22, XZS12, AN18, BMS+09, HMB17,
KT19, MMOMHL17, MMcvLLC18, MMOMTLC18, MBIH16, MT10].
Scholar-based [MT10]. scholar/journal [CB19]. Scholarly
[YSWP09, ADD21d, AF17a, BBB+22, BZL19, BGS19, BS13, BnH17,
CGX22, CBT21, DCG+19, KRM13, KYC12, KT19, LLW21, SKL16,
WCG21, WH21, WLLL18]. scholars
[AAH11, DFCGB15, FC17, HWZ22, dlv18]. scholarship [MMCR21].
schools [ZBN19]. Science [APF09, DK22, SSAG11, XWZL21, AC09, AC17,
BL17, BB11, BI10, BFS11, BS09, BD07b, BW11, BLWSE11, BL12,
BsdMAM16, BK08, BPU+14, BK14, BFM+18, CtriY21, CA11, Dan16,
DG21, DLW17, DLGT19, Gar09, HRL12, HR18, HYC15, Ke21a, KB21,
Kos15, Kos08, Lat21, Let16, LW08, LSW+10, LT21, LZR15, LEW22,
LHT15, LK17, Mag12, MJ13, MMY17, Meh19, MSL+14, Mil15, MN15,
NLK+21, NF12, NO07, PYWH15, PPP18, PYCH19, PPG+15, PRRC17,
PB16, RCW15, SDAJ17, SJZ+19, SAB+16, Sku09, SWHC15, TB18b, The19a,
Tsa14, Van13, Wal14, WTVE11, WG12, WW15, WYK+22, XWY+21,
XMLM21, XYP+22, YDCL13, YW15, YHWHZ16, YW17, YXX+17, ZWM17,
ZS08, ZY17, vdBHS17a, AYL14, AN18, BMS+09, BL17, FMM16a, GP11,
GAB11, GMFV16, LR12, LB21, LQLJ14, LHT18, LdMAM08]. Science
[MMOMTLC18, NO07, PRRC17, Reh21, The18a, WW16, ZH18, CH14, FH13].
science-based [SWHC15]. science-technology [BL21, BK08].
science/computer [LK17]. Sciences [VE14, WHH21, ADR13, BAL18,
Fral0a, FJW+15, Ley17b, SW14, TSM09, VW16, ZYYW21, XLYG18].
Scientific [BKK09, CB19, Din11b, FMM14, GAG13, HR16, LY18, LRR+21,
Mar15, Mar16, RL22, WH15, AD18, AD21, ADD21c, ADD22, AAK+21,
ACHV09, AN18, Ant22, AF17b, BSHK21, BRA19, BLV10, BSDMAM14,
BH15, BvECW18, BSDA+21, BR11, CMN08, CCL16, CTGM15, CXMR07,
CCH+09, CTDM17, CW18, Coc08, CSdFCA17, DLM+17, DFCGB15, DMS18, DKK+17, ES15, Fin14, FM10b, FM11b, FM14, FJW+15, GHP21, GPGBMA10, GBMA12, GWMP16, GW17, GHS21, HSE22, HMBI17, HDY12, HDT+13, HGJZ17, HPZ21, HCL13, HCC12, IPS21, KFM+15, Ke18, KJKS22, KK12, Kos11, Kos12a, LWWZ22, LLH12, LRWY13, LBD+19, LAL09, LLHW22, MEG+16, MMCvLLC18, Moe10b, OA13, OG13, PCPG17, Per10a, Per10b, PRCRVQ+09, PSI+17, QLS21, QCVQdMA10, RC12a, RWB17, Ron18, RCC14, RCC18, SKLR16, SJGMA17, San11b, San13a, San14, scientific [Sch13a, SYP+16, SXAC22, SKY+19, SROdFC13, SAB+16, SC21, SRZ19, SVKM21, Sol07, SG12, SFCK19, SDL16, Tan13, TWH08, TdR21, VG10a, VCT22, WRB+11, Wal12, WWW10, WG10a, WWML14, WHLT18, WRA+21, Woe08b, Wu15, XWZY21, XMM14, YDL13, YZ15, YLZ18, YYX18, YXXW19, YSJ21, YZ18, ZWBA21, ZWX+19, ZXS+22, ZLYC21, dDGFFI21, dIP11], Scientist [ZZL+21, AD15c, BBMP12, FM10a, LH22, XWP+12, WPZ+13, ZHS+22, ZBK+21], scientists [ADM13a, AD15b, ACD15, ADS16, BAGADF15, Dan16, DFCGB15, FM11a, LYZ+17, LH21, Mar17, RGSM+19, SW13, SZZ22, SGKM16, TN18, Van12a, WXP+12, WHLT18, XZKS22, ZWZZ21], scientograms [QCVQdMA10], scientometric [Abr18, Cso18, GPNA13, Mag13], scientometricians [Vin12], Scientometrics [Gar09, VS13, Bor14b, FHH09, GL11, Glä10, Ley13a, Vi18, WvEVW16, LBMM14], SciKGraph [TdR21], SCImago [BdMAL12, GNBVQ+14], Scopus [MCD16, MdMAGBLI21b, ABS21, BMS+09, BLWSE11, ED15, FMM16a, FMM16b, GMFGVZ16, HL19, Ley13b, LQLJ14, LldMAM08, MMOMTLC18, Meh19, MBHI16, MdMAGBLI21a, The17b, The18a, The18b, VZAMMFAB15, WW16], score [BH16a, BH16c, BM12, LTH18, Lun07, RY12b, LH21], Scores [HDB22, AD16a, BM15, Egg10a, Glä07, GHS21, TF15b, TN18, Vi17, Vi18, Wal14, YZYW21], Scoring [BGCL07, PUKR21], scouting [CKKY21], Screening [PD21], Search [TS12, ZWM17, BM18, JZ21, Ort14], searches [The18c], Searching [ZY16], Seats [BB11], secondary [Hag14b], section [The19b, Wal16c, Wal16d, Wal17b], sector [ADD21d], securing [Cha22, DK21], segregation [TSAH22], select [LLH+21], selected [UK16, WXML21, WG10b], Selecting [CX16], Selection [vdB12, BW17a, BW17b, BW22, HTX+18, LLH+21, Pet17], Self [SC21, TDKZ21, WH15, ADG21, ADD21a, ADD21b, Fra07, PML21, Vi16, YYW14, vdB12], Self-assembly [WH15], Self-Citation [TDKZ21, ADG21, Vi16, YYW14], Self-citations [SC21, ADD21a, ADD21b, Fra07, PML21], self-service [vdB12], Semantic [SHD15, AKML18, ALX+21, CXZ+22b, CXZ+22a, HWL22, LW11, PL13, TD10], semantically [CSH18], semi [BHH+07], semi-automatic [BHH+07], seminar [RW10], SemPathFinder [SHD15], senior [Hag14b, VW16], seniority [Kos09], seniority-independent [Kos09], senses [KM22], sensitive [XMM14], sensitivity [ACD12e, ACD12d, CGD+21, Mall6, XWK+21], sensitized [WHW+14].
sentences [KJS16, SD22]. Sentiment [PT09, CLC11]. separately [The19b].

Subsidies [XfG21]. Suburbs [BP11]. Success [SYW18, Egg14, KKK21, MB17, Rou14a, SZZ22, vdBMM22, FGMM12, FGMM13].


Subunits [XLYcG21]. Suburbs [BP11]. Success [SYW18, Egg14, KKK21, MB17, Rou14a, SZZ22, vdBMM22, FGMM12, FGMM13].


Subunits [XLYcG21]. Suburbs [BP11]. Success [SYW18, Egg14, KKK21, MB17, Rou14a, SZZ22, vdBMM22, FGMM12, FGMM13].
transitions [BKK09], transitivity [IPS21], translation [DLGT19], translational [LT21], transmission [Még14], transparency [VZMFAB16], Treatment [SYK22], tree [Kos13b], trees [JLYM16, MLDP21], trend [Ada18, HCC12, LDSD18, YHS18], Trends [RL22, BSHK21, Bue21, ETGS21, JSSK14, JHK16, KYC12, LJMM13, SGGMF18, VZMFAB16], triad [FM10a], triadic [Pen15], triads [DNL15], trial [TLD+21], trial-and-error [TLD+21], Triangular [LYC21, AMKA21], tribes [CFveL19], tribute [Sma17], tripartite [WJW19], triple [Mag12, Még14, Még18], Trojan [DCM21], truncated [KSS16], Tsinghua [ZL11], turnover [ADR16], tutorial [GWMP16], tweet [WHH21], tweeters [YXXW19], tweeting [CGXW22], tweets [YXX18, YXXW19], twenty [AZS14], Twitter [DSM18, HWZW22, MA21, WHH21, YKKS16, YXX17].

Two [BMD10, NO10, RH13, Smo21b, ADZ18, CT16, DN17, E10, Let16, MD12, PPFKB19, SSAGB11, XYeC18, IYFS18], two-mode [DN17], two-stage [XYeG18, IYFS18], type [BI10, BD07a, BD09, Bur08, EP07, Egg08b, Egg10b, Egg10a, ER19a, ER21, GS10, JSSK14, Kos09, Kos10a, Kos10b, PSA21, San14, SMP12, SG07, Smo21b, Vi16], types [FJOROMT22], typical [Wal17a].
References


**Abramo:2021:CRP**


**Abramo:2021:GDR**


**Abbasi:2011:IEC**


**Akella:2021:EIS**

Abbasi:2016:LAL


Álvarez-Bornstein:2021:FRH


Abramo:2018:RSC


Amodio:2021:IPA


Ahlgren:2009:DDS


REFERENCES


Abramo:2014:AHC


Abramo:2015:SRP


Alonso:2009:IRF


Abramo:2014:ANS


Abramo:2015:EUR

REFERENCES


REFERENCES


REFERENCES


[ADS11] Giovanni Abramo, Ciriaco Andrea D’Angelo, and Marco Solazzi. Are researchers that collaborate more at the inter-

**Abramo:2016:RTS**


**Abramo:2017:ISP**


**Amjad:2017:SSG**


**Abramo:2018:CTA**


REFERENCES


[AL17] Abdellatif Agouzal and Thierry Lafouge. A remarkable example in three-dimensional informetrics. The geometric law:


[AN18] Jens Peter Andersen and Mathias Wullum Nielsen. Google Scholar and Web of Science: Examining gender differences


REFERENCES

Anonymous:2008:EBb

Anonymous:2008:EBc

Anonymous:2008:IEB

Anonymous:2009:EBa

Anonymous:2009:EBb

Anonymous:2009:EBc

Anonymous:2009:EBd
REFERENCES


REFERENCES


Anonymous:2012:LR


Anonymous:2013:EBa


Anonymous:2013:EBb


Anonymous:2013:EBc


Anonymous:2013:EBd


Anonymous:2013:LR


Anonymous:2014:IFCa

Anonymous:2014:IFCb


Anonymous:2014:IFCc


Anonymous:2014:IFCd


Anonymous:2014:LR


Anonymous:2015:IFCa


Anonymous:2015:IFCb

Anonymous:2015:IFCc


Anonymous:2015:IFC


Anonymous:2015:LR


Anonymous:2016:IFCa


Anonymous:2016:IFCb


Anonymous:2016:IFCc

Anonymous:2016:IFCd


Anonymous:2017:IFCa


Anonymous:2017:IFCb


Anonymous:2017:IFCc


Anonymous:2017:IFCd


Anonymous:2017:PN

Anonymous:2018:EBa


Anonymous:2018:EBb


Anonymous:2018:EBc


Anonymous:2018:EBd


Anonymous:2019:EBa


Anonymous:2019:EBb


Anonymous:2019:EBc

Anonymous:2021:EBa


Anonymous:2021:EBb


Anonymous:2021:EBc


Anonymous:2021:EBd


Anonymous:2021:EBe


Anonymous:2021:EBf

Anonymous:2021:EBg


Anonymous:2021:EBh


Anonymous:2021:EBi


Anonymous:2022:A


Anonymous:2022:EBd


Anonymous:2022:EBe


Anonymous:2022:EBf

REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Journal Details</th>
<th>URL</th>
</tr>
</thead>
</table>
REFERENCES


Akhmat:2014:RBE


Bras-Amoros:2011:BIB


Bordons:2015:RBR


Bornmann:2018:NEC


Baccini:2011:STN


Bonaccorsi:2016:NRU

Benedetto:2017:CCS

Benedetto:2017:CPS

Bornmann:2007:CVP
Bornmann:2007:GSE


Bornmann:2009:ETT


Bornmann:2010:CSM


Bornmann:2010:CSI


Bornmann:2016:CRM

REFERENCES


Bianchi:2022:MER


Beirlant:2007:SRO


Barrios:2013:ISF


Banshal:2022:PLA


Benito:2021:EIC

REFERENCES


Lutz Bornmann, Robin Haunschild, and Rüdiger Mutz. Should citations be field-normalized in evaluative bibliomet-


REFERENCES


Lutz Bornmann, Loet Leydesdorff, and Jian Wang. Which percentile-based approach should be preferred for calculating normalized citation impact values? An empirical comparison of five approaches including a newly developed citation-rank

Bornmann:2014:HIP


Bornmann:2011:MEG


Bouyssou:2010:CBR


Bornmann:2011:FST


Bouyssou:2011:BRJ

REFERENCES


Bornmann:2012:HAP


Bornmann:2013:PBP


Bornmann:2013:AUS


Bouyssou:2014:AAB


Bornmann:2015:MGN

REFERENCES

Bouyssou:2016:RAU

Bornmann:2018:CRS

Batagelj:2021:TBN

Bornmann:2007:GDG

Bornmann:2008:HDI
REFERENCES


[BMS+09] Lutz Bornmann, Werner Marx, Hermann Schier, Erhard Rahm, Andreas Thor, and Hans-Dieter Daniel. Convergent validity of bibliometric Google Scholar data in the field of chemistry — citation counts for papers that were accepted by *Angewandte Chemie International Edition* or

**Brito:2021:IHI**


**Bu:2017:CMS**


**Bornmann:2012:SCI**


**Bornmann:2019:VCA**


**Bornmann:2010:TIM**

REFERENCES


Bornmann:2013:BAI


Bornmann:2013:PCI


Bornmann:2014:DAP


Bornmann:2014:IRS


Bornmann:2014:VAD


REFERENCES


REFERENCES


REFERENCES


[BSW17] Laurent Bergé, Thomas Scherngell, and Iris Wanzenböck. Bridging centrality as an indicator to measure the ‘bridging role’ of actors in networks: an application to the European Nanotechnology co-publication network. Journal
REFERENCES

Bornmann:2021:CVS

Bornmann:2021:DWM

Buehling:2021:CRT

Burrell:2007:HIS

Burrell:2007:ISH


Boyack:2018:CTC


Buter:2011:NAC


Bornmann:2011:DHR


Bornmann:2013:HCP


Birkmaier:2014:MEE

REFERENCES


REFERENCES


Carusi:2019:SCD


Chan:2021:PSC


Calabrese:2018:PLB


Chen:2009:TEC


Chang:2012:RBP

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Cappelletti-Montano:2022:IOR]

[Cormode:2013:SI]

[Calero-Medina:2008:CMC]

[Coccia:2008:MSP]

[Copiello:2019:PNE]
Sergio Copiello. Peer and neighborhood effects: Citation analysis using a spatial autoregressive model and pseudospatial data. Journal of Informetrics, 13(1):238–254, February 2019. CODEN ???? ISSN 1751-1577 (print), 1875-
Craig:2007:DOA

Chen:2021:EIP

Chen:2010:CSP

Cimenler:2014:RAR

Cimenler:2015:ECR


György Csomós and Géza Tóth. Exploring the position of cities in global corporate research and development: a bib-
REFERENCES


Chakraborty:2015:UMD


Chen:2021:NAA


Citron:2018:NAS


Chen:2016:SPK

Guo Chen and Lu Xiao. Selecting publication keywords for domain analysis in bibliometrics: a comparison of three

Chen:2017:UTE


Chakraborty:2015:UMD


Chen:2021:NAA


Citron:2018:NAS


Chen:2016:SPK

Guo Chen and Lu Xiao. Selecting publication keywords for domain analysis in bibliometrics: a comparison of three

**Chen:2007:FSG**


**Chen:2007:FSG**

[Chen:2022:SMP]


**Chen:2022:SMP**

[Chen:2022:DLB]


**Chen:2022:DLB**

[Choi:2022:MKE]


**Choi:2022:MKE**

[Chen:2018:QQA]

[Kun Chen, Yao yao Song, and Guo liang Yang. Quality and quantity are not always positively correlated: a


[DBS15] Cinzia Daraio, Andrea Bonaccorsi, and Léopold Simar. Efficiency and economies of scale and specialization in Euro-


REFERENCES


REFERENCES


Dunaiski:2019:IBN


Ding:2017:EPC


Dienes:2015:C


Ding:2011:CDT


Ding:2011:SCE


Drivas:2021:RIC

REFERENCES


Dziezyc:2022:ERG


Drozdz:2017:HOH


Ding:2013:DRA


Du:2019:MKT


Du:2021:PPC

[DLH+21] Jian Du, Peixin Li, Robin Haunschild, Yinan Sun, and Xiaoli Tang. Paper-patent citation linkages as early signs for predicting delayed recognized knowledge: Macro and micro

**DeSordi:2017:PIS**


**Demetrescu:2019:SVA**


**delaPena:2011:IFC**


**delaVega:2018:RSM**


**deMoya-Anegon:2018:SRB**

[dMAGBLIM18] Felix de Moya-Anegon, Vicente P. Guerrero-Bote, Carmen Lopez-Illescas, and Henk F. Moed. Statistical relationships between corresponding authorship, international co-authorship and citation impact of national research systems.
REFERENCES


Duarte-Martinez:2022:UPS


Didegah:2018:IQI


Dehdarirad:2017:RIC


deNooy:2015:DTA


Donoso:2017:SII


Dogan:2021:NTW


Dunaiski:2016:EPA


Dong:2021:ICC


Egghe:2011:PFC


Ennas:2015:FTR


Egghe:2007:GET

REFERENCES


Egghe:2007:WBI


Egghe:2008:EST


Egghe:2008:IMT


Egghe:2009:MDI


Egghe:2010:CSS


Egghe:2010:CPI

[Egg10b] L. Egghe. Conjugate partitions in informetrics: Lorenz curves, \( h \)-type indices, Ferrers graphs and Durfee squares
REFERENCES


**Egghe:2011:CGW**


**Egghe:2012:ARC**


**Egghe:2012:FYB**


**Egghe:2013:FRB**


**Egghe:2013:MCH**

REFERENCES


[Eom08] Sean Eom. All author cocitation analysis and first author cocitation analysis: a comparative empirical investigation.
REFERENCES


Egghe:2007:ENL


Egghe:2019:IST


Egghe:2019:SSF


Egghe:2021:PCG


Egghe:2022:RFD

REFERENCES


REFERENCES


REFERENCES


[FJW*15] Tove Faber Frandsen, Rasmus Hojbjerg Jacobsen, Johan A.


Franceschini:2011:SES


Franceschini:2014:SFN


Franceschini:2017:CRI


Franceschini:2017:RCB


Franceschini:2014:SJP

REFERENCES


REFERENCES

Feng:2015:VQS

FZDW15

Gonzalez-Albo:2011:AVP

GAB11

Gonzalez-Alvarez:2017:RPH

GÁCC17

Giuffrida:2019:ACW

GAD19

Gagolewski:2009:RLP
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Han:2007:MIK

Haunschild:2016:NMR

HCC12

HCL13

Hwang:2019:CRA
Yan-An Hwang, Chih-Hao Chiu, and Jian-Ming Shih. A correction: Ranking authors using fractional counting of citations: an axiomatic approach. *Journal of In-
REFERENCES


REFERENCES


Hric:2018:SBM


Huang:2019:SNE


Haunschild:2019:DPD


Haunschild:2021:CDP


Huang:2022:TMC

[HLHC22] Chen-Hao Huang, John S. Liu, Mei Hsiu-Ching Ho, and Tzu-Chuan Chou. Towards more convergent main paths: a relevance-based approach. *Journal of Informetrics*, 16(3):???, August 2022. CODEN ????. ISSN 1751-1577 (print),
Hu:2017:HUN


Hu:2017:UMM


Haley:2021:JVJ


Hladchenko:2021:EPT


Halevi:2017:SGS

Gali Halevi, Henk Moed, and Judit Bar-Ilan. Suitability of Google Scholar as a source of scientific information and as a source of data for scientific evaluation — review of the literature. *Journal of Informetrics*, 11(3):823–834, August
Hossain:2013:CND


Hren:2022:WMB


Hou:2021:ISE


Hu:2016:SIA


Hu:2018:NAE

Xiaojun Hu and Ronald Rousseau. A new approach to explore the knowledge transition path in the evolution of science and technology: From the biology of restriction enzymes to their application in biotechnology. *Jour-
REFERENCES


Haunschild:2016:PMC


Hajibabaei:2022:GSP


Haunschild:2018:AGS


Hu:2021:IHC


Hu:2018:FPN

REFERENCES


REFERENCES


Inoue:2010:ACR


Jalili:2011:EAT


Jarneving:2007:BCA


Jarneving:2007:CGB


Jeong:2016:TAD

REFERENCES


[Qing Ke. Comparing scientific and technological impact of biomedical research. Journal of Informetrics, 12(3):706–717,


Kuan:2011:RPA


Kuan:2013:CFE


Kuan:2018:MLT


Khreisat:2009:MLA


Kim:2022:EST


[KK19] Przemysław Korytkowski and Emanuel Kulczycki. Publication counting methods for a national research evaluation ex-

**Korytkowski:2021:GBP**


**Kulczycki:2017:TEB**


**Kleinski:2021:WSP**


**Kuan:2021:CPA**


**Karimi:2021:CGL**

REFERENCES


REFERENCES


**Kosmulski:2009:NSI**


**Kosmulski:2010:HTA**


**Kosmulski:2010:HTI**


**Kosmulski:2011:SPN**


**Kosmulski:2012:CAR**


**Kosmulski:2012:MI**

Kosmulski:2012:NIC


Kosmulski:2012:OLA


Kosmulski:2013:Y


Kosmulski:2013:FTB


Kosmulski:2015:GDP


Ko:2013:IEJ

Young Man Ko and Ji Young Park. An index for evaluating journals in a small domestic citation index database whose citation rate is generally very low: a test based
REFERENCES


**Kim:2021:GFR**


**Dryden:2021:BHR**

**Keyhanipour:2009:GAW**


**Kim:2022:DTD**


**Kwiek:2021:GBH**


**Kaur:2013:USI**

Kaur:2014:USS

Kang:2016:EPA

Kraker:2015:VCR

Koski:2016:TFA

Kousha:2018:CMAb
Kousha:2019:CGS


Kousha:2018:CMAa


Kousha:2010:UWR


Kong:2021:CCA


Kim:2012:NAT

REFERENCES


[LBMM14] Loet Leydesdorff, Lutz Bornmann, Werner Marx, and Stasa Milojević. Referenced publication years spectroscopy applied

**Lepori:2013:CPS**


**Leydesdorff:2016:CPB**


**Liu:2022:NLB**


**Li:2019:CMS**


Leydesdorff:2013:DSU


Leydesdorff:2013:RSI


Leydesdorff:2017:PB


Leydesdorff:2017:PSD


Liu:2012:MIA


Liu:2021:CAC

Lariviere:2011:ARV


Liu:2021:WCM


Liu:2022:MAE


Lin:2013:ICM


Lungeanu:2014:UAI


REFERENCES


REFERENCES

Liu:2013:CDK

Xiang Liu, Tingting Jiang, and Feicheng Ma. Collective
dynamics in knowledge networks: Emerging trends analy-
sis. *Journal of Informetrics*, 7(2):425–438, April 2013. CO-
DEN ????? ISSN 1751-1577 (print), 1875-5879 (electronic).

Loizides:2017:EQC

Orestis-Stavros Loizides and Polychronis Koutsakis. On eval-
uating the quality of a computer science/computer engineer-
2017. CODEN ????? ISSN 1751-1577 (print), 1875-5879 (elec-
pii/S1751157716301808.

Lachance:2014:CLP

Christian Lachance and Vincent Larivi`ere. On the cita-
tion lifecycle of papers with delayed recognition. *Jour-
nal of Informetrics*, 8(4):863–872, October 2014. CO-
DEN ????? ISSN 1751-1577 (print), 1875-5879 (electronic).

Lee:2015:MCR

Seonghee Lee and Hakyeon Lee. Measuring and compar-
ing the R&D performance of government research insti-
tutes: a bottom-up data envelopment analysis approach. *Jour-
nal of Informetrics*, 9(4):942–953, October 2015. CO-
DEN ????? ISSN 1751-1577 (print), 1875-5879 (electronic).

Lin:2021:UTE

Deming Lin, Wenbin Liu, Yinxin Guo, and Martin Meyer. Using technological entropy to identify technology life cy-
cle. *Journal of Informetrics*, 15(2):Article 101137, May 2021. CO-
DEN ????? ISSN 1751-1577 (print), 1875-5879 (elec-
REFERENCES


[Liu:2012:TIM]

[Lu:2021:HDA]

[Luo:2022:CRQ]

[Li:2021:OAE]

[Leydesdorff:2010:NFL]
Leydesdorff:2011:RPN


Lambiotte:2009:CKC


Leydesdorff:2017:FFC


Letchford:2016:ASP


Li:2014:CLA


REFERENCES


[Li:2013:CNP]


[Li:2013:QEA]


[Liu:2017:POZ]


[Liu:2013:LFS]

Liu:2013:RCT


Lee:2014:MJP


Li:2010:RLI


Li:2014:SHS


Levitt:2013:ASF

REFERENCES


[LW09] Loet Leydesdorff and Caroline Wagner. Macro-level indicators of the relations between research funding and research

**Lu:2010:GCG**


**Leydesdorff:2011:SMW**


**Lehmann:2017:WJG**


**Leydesdorff:2014:EUC**


**Leydesdorff:2019:DMS**

[LWB19a] Loet Leydesdorff, Caroline S. Wagner, and Lutz Bornmann. Diversity measurement: Steps towards the measurement of interdisciplinarity? *Journal of Informetrics*, 13(3):904–905,
REFERENCES


Leydesdorff:2019:IDC


Liu:2022:EPR


Li:2014:NBM


Li:2022:BCN


Liao:2012:QDR

Chien Hsiang Liao and Hsiuju Rebecca Yen. Quantifying the degree of research collaboration: a comparative study of collaborative measures. Journal of Informetrics, 6(1):27–33, January 2012. CODEN ???? ISSN 1751-1577 (print),


REFERENCES

Yang:2018:MIC

Yang:2014:SDR

Liping:2009:REA

Li:2017:DME

Liu:2022:FDG
Meijun Liu, Ning Zhang, Xiao Hu, Ajay Jaiswal, Jian Xu, Hong Chen, Ying Ding, and Yi Bu. Further divided gender gaps in research productivity and collaboration during the COVID-19 pandemic: Evidence from coronavirus-related literature. *Journal of Informetrics*, 16(2):??, May 2022. CODEN ????
REFERENCES


REFERENCES


[MAS14] Edmilson J. T. Manganote, Mariana S. Araujo, and Peter A. Schulz. Visualization of ranking data: Geographical signatures in international collaboration, leadership and research

**Mutz:2017:TFR**


**Moed:2016:NMC**


**McCain:2010:CJL**


**Meester:2016:RSM**


**Mogoutov:2008:BIL**

[MCKM08] Andrei Mogoutov, Alberto Cambrosio, Peter Keating, and Philippe Mustar. Biomedical innovation at the laboratory,
REFERENCES

Mutz:2012:SCD


Mutz:2018:BQB


Massucci:2019:MAR


Mutz:2019:HCF

REFERENCES

Moed:2021:NOJ


Moed:2021:CSN


Moed:2011:CUR


Megnigbeto:2014:EUC


Maisonobe:2016:WNS

[MEG+16] Marion Maisonobe, Denis Eckert, Michel Grossetti, Laurent Jégon, and Béatrice Milard. The world network of scientific


REFERENCES

197


McCarty:2013:AAP


Marsh:2011:GDP


Mansilla:2007:BJI


Momeni:2022:MFA


Mao:2021:QCD

Jin Mao, Zhentao Liang, Yujie Cao, and Gang Li. Quantifying cross-disciplinary knowledge flow from the perspective of content: Introducing an approach based on knowledge memes. *Journal of Informetrics*, 14(4):Article 101092,


REFERENCES


REFERENCES


Moed:2010:CCI


Moed:2010:MCC


Moed:2018:TMP


Mannella:2013:TDI


Milojevic:2017:CSI

Moghadasi:2013:LCE


Meyer:2009:UWR


Milojevic:2014:RHK


Min:2016:MDR


Matveeva:2021:ERU

Moussa:2010:RMJ


Mutz:2016:SFA


Nane:2016:IIC


Nykl:2015:ARB


Nicolaisen:2008:RRR


Nicolaisen:2012:CFS

Jeppe Nicolaisen and Tove Faber Frandsen. Consensus formation in science modeled by aggregated bibliographic cou-
Nomaler:2013:DMD


Ng:2017:CCG


Nielsen:2017:GCI


Nykl:2014:PVE


Nane:2017:PAR


Francisco J. Ortega and Jose M. Gavilan. The measurement of production efficiency in scientific journals through
stochastic frontier analysis models: Application to quantitative


REFERENCES

Ortega:2015:RBA

Ortega:2018:LCA

Ortega:2021:HDM

Ortega:2021:PCA

Onder:2021:SFD
Pajic:2015:SCB


Pooladian:2016:LSB


Piwowar:2010:PSR


Pradhan:2021:ACI


Patelli:2017:SIN


REFERENCES

Perez-Hornero:2013:AJI

Paul-Hus:2017:SIA

Park:2013:DSS

Petridis:2013:EAF

Prathap:2021:WJS


Prathap:2013:IC


Perianes-Rodriguez:2009:SHI


Perianes-Rodriguez:2015:MVF


Perianes-Rodriguez:2017:CWS


Perianes-Rodriguez:2016:CBN

REFERENCES

Petersen:2013:IGR

[PS13]

Potter:2021:ICC

[PSA21]

Pandey:2021:ARC

[PSG⁺21]

Perlin:2017:BSO

[PSI⁺17]

Perme:2012:CCD

[PSZZ12]
Prabowo:2008:FTS

Prabowo:2009:SAC

Prabowo:2007:GOT

Panagopoulos:2017:DRS

Prathap:2021:SRR
REFERENCES

Pinto:2021:SCN


Park:2019:RSC


Pak:2021:ATC


Park:2018:TOD


Pan:2018:EUC


Quesada:2011:AHI


Rorstad:2015:PRE


Rodriguez:2007:MBB


Radicchi:2012:TFC


Radicchi:2012:WSC

Ruiz-Castillo:2014:CCS


Ruiz-Castillo:2016:ROI


Ruiz-Castillo:2014:SSP


Ruiz-Castillo:2018:IFC


Ruiz-Castillo:2015:FNC


Rossi:2018:TMA

Luciano Rossi, Rafael J. P. Damaceno, Igor L. Freire, Etelvino J. H. Bechara, and Jéstis P. Mena-Chalco. Topological metrics in academic genealogy graphs. *Journal of
Rehs:2021:SML

Rossi:2017:GIM

Robinson-Garcia:2017:DNB

Rahman:2015:EEP

Rahman:2016:CSE
A. I. M. Jakaria Rahman, Raf Guns, Ronald Rousseau, and Tim C. E. Engels. Corrigendum to “Is the expertise of eval-

Rousseau:2017:MCD


RGRE17

Rousseau:2013:B


RGZSC13

Rousseau:2013:TTS


RH13

Rodriguez:2008:MTA

Victor Rodriguez, Frizo Janssens, Koenraad Debackere, and Bart De Moor. On material transfer agreements and visibility


REFERENCES


Rodriguez-Navarro:2018:DRA


Rodriguez-Navarro:2018:TRE


Rons:2012:PBF


Rons:2013:CPB


Rons:2018:BAS

[Ron18] Nadine Rons. Bibliometric approximation of a scientific specialty by combining key sources, title words, authors and references. *Journal of Informetrics*, 12(1):113–132, February 2018. CODEN ????. ISSN 1751-1577 (print), 1875-5879 (elec-
REFERENCES


Rodriguez:2008:RBS


Rahman:2017:NQA


Rao:2010:GJA


Rodriguez:2010:EMR


Reznik:2016:HRH

REFERENCES


Sjogaarde:2018:GAC


Silva:2016:UNS


Shahzad:2022:QOL


Sangwal:2011:GCP


Sangwal:2011:PNM

REFERENCES


REFERENCES


REFERENCES

Schreiber:2010:CSM

Schreiber:2010:HMI

Schreiber:2010:NFO

Schubert:2012:JDN

Schall:2013:MCP
REFERENCES


REFERENCES


Schreiber:2014:NCR


Schreiber:2015:RIP


Schneider:2016:ISI


Singh:2016:CTT


Serenko:2011:CES


REFERENCES


REFERENCES


Skupin:2009:DCC


Shi:2019:DSC


Su:2012:FSG


Shu:2015:CLA


Solomon:2013:LCC


Seeber:2012:FAW


REFERENCES


Sasson:2015:ISM


Sivertsen:2019:MSC


Sicilia:2011:CIF


Strumia:2019:BFP


Stacey:2021:RPA

REFERENCES


Seiler:2013:AS

Seiler:2014:HRJ

Sung:2015:MSB

Song:2021:CPD

Shen:2022:CCI
REFERENCES


Tosi:2021:SKG


Thelwall:2015:GJI


Thelwall:2015:ITD


Thelwall:2017:ACI


Thelwall:2017:RPN


Thelwall:2016:DLHb

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[TSAH22] Maria Tsouchnika, Alex Smolyak, Panos Argyrakis, and Shlomo Havlin. Patent collaborations: From segregation to
REFERENCES


Yangge Tian, Cheng Wen, and Song Hong. Global scientific production on GIS research by bibliometric analysis from


REFERENCES


REFERENCES


vandenBesselaar:2018:QMH


Verleysen:2014:BRB


vanEck:2008:GI


vanEck:2009:PUL


vanEck:2014:CNS


Vieira:2010:CSA

[VG10a] E. S. Vieira and J. A. N. F. Gomes. Citations to scientific articles: Its distribution and dependence on the article


261

Vinkler:2012:CSA


Vinkler:2013:CRA


Vinkler:2013:WIP


Vinkler:2014:UPR


Vieira:2016:GPH

vanLeeuwen:2018:BRM


Vaccario:2017:QSR


vanRaan:2010:RCR


Vanderelst:2013:SRF


Vardakas:2015:AFC

REFERENCES

vanVlokhoven:2019:EOA


Verleysen:2016:CPP


Vaughan:2010:WCO


Vaughan:2013:WTO


vanZyl:2013:SSI


Valderrama-Zurian:2015:SAD

[VZAMMFAB15] Juan-Carlos Valderrama-Zurián, Remedios Aguilar-Moya, David Melero-Fuentes, and Rafael Aleixandre-Benavent. A


REFERENCES


Weber:2017:CSD

Wu:2014:GPA

Wang:2010:RPA

Wong:2010:GBP

Wong:2012:SFD
REFERENCES


REFERENCES


REFERENCES


REFERENCES

Woeginger:2008:SAS


Woeginger:2014:ISB


Wu:2022:HDA


Wouters:2018:FP


Wang:2013:ESW


Wang:2021:ESR

Wei Wang, Jing Ren, Mubarak Alrashoud, Feng Xia, Mengyi Mao, and Amr Tolba. Early-stage reciprocity


REFERENCES


Wang:2021:GBP


Wang:2012:DCB


Wolfram:2014:CJS


Wang:2018:PAK


Wang:2021:IRS

Wang:2021:UFT


Xu:2021:ERT


Xie:2021:PPP


Xie:2021:PNC


Xu:2021:ECI


REFERENCES


REFERENCES


[YBL+22] Jinqing Yang, Yi Bu, Wei Lu, Yong Huang, Jinming Hu, Shengzhi Huang, and Li Zhang. Identifying keyword sleeping beauties: a perspective on the knowledge diffusion process. *Journal of Informetrics*, 16(1):Article 101239, February 2022. CODEN ???. ISSN 1751-1577 (print), 1875-
REFERENCES


Yan:2013:BEV


Yan:2012:TDR


Yu:2015:TDU


Yu:2008:ORD


Yan:2014:PRC


[YLZ18] Zhifeng Yin, Zheng Liang, and Qiang Zhi. Does the concentration of scientific research funding in institutions promote knowledge output? *Journal of Informetrics*, 12(4):1146–1159, November 2018. CODEN ????. ISSN 1751-1577 (print),
Yu:2021:TMP


You:2022:DQP


Ye:2008:PLM


Yu:2021:IDM


Yu:2021:BBY

REFERENCES


[YVW+13] Jiansheng Yang, Michael W. Vannier, Fang Wang, Yan Deng, Fengrong Ou, James Bennett, Yang Liu, and Ge Wang. A

**Yang:2015:VIS**


**Yin:2017:TDS**


**Yu:2017:GSD**


**Yu:2018:TLF**


**Yu:2019:WPS**


[YZF13] Xiangbin Yan, Li Zhai, and Weiguo Fan. C-index: a weighted network node centrality measure for collaboration compe-
Yang:2021:ACS

Zhao:2021:IRB

Chen:2013:PDM

Zoller:2016:PVE

Zhao:2022:UCN
Qihang Zhao and Xiaodong Feng. Utilizing citation network structure to predict paper citation counts: a deep learn-
Zhang:2012:PPJ


Zahedi:2018:RBB


Zhang:2022:DGN


Zitt:2010:CSN


Zitt:2016:PWP

Michel Zitt. Paving the way or pushing at open doors? A comment on Abramo and D’Angelo “Farewell to size-

**Zhou:2011:FCC**


**Zhang:2010:SCA**


**Zhang:2018:DDL**


**Zhang:2016:FRS**


**Zhang:2021:CRD**

[ZLW21] Chengzhi Zhang, Lifan Liu, and Yuzhuo Wang. Characterizing references from different disciplines: a perspective of cita-
REFERENCES

Zhu:2021:TSR


Zhou:2021:PPS


Zhao:2011:DBM


Zhao:2008:CAA


Zhang:2016:HSM

REFERENCES


REFERENCES


[Zhu:2016:SBD]


[Zhu:2017:EAR]


[Zhang:2021:MSC]


[Zhang:2012:ENE]


[Zhai:2018:BDH]
Zhou:2012:CBI


Zuo:2018:MMB


Zhang:2021:ABD


Zhou:2021:BCB


Zhou:2021:ITC
