

Martin R Bridson

List of Publications by Year in descending order

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394421

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57
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98
all docs

98
docs citations

98
times ranked

878
citing authors

#	ARTICLE	IF	CITATIONS
1	Metric Spaces of Non-Positive Curvature. Grundlehren Der Mathematischen Wissenschaften in Einzeldarstellungen Mit Besonderer Berücksichtigung Der Anwendungsgebiete, 1999, , .	0.9	2,351
2	Semihyperbolic Groups. Proceedings of the London Mathematical Society, 1995, s3-70, 56-114.	1.3	42
3	On the semisimplicity of polyhedral isometries. Proceedings of the American Mathematical Society, 1999, 127, 2143-2146.	0.8	40
4	On the finite presentation of subdirect products and the nature of residually free groups. American Journal of Mathematics, 2013, 135, 891-933.	1.1	40
5	Grothendieck's problems concerning profinite completions and representations of groups. Annals of Mathematics, 2004, 160, 359-373.	4.2	39
6	There is only one gap in the isoperimetric spectrum. Geometric and Functional Analysis, 2000, 10, 1053-1070.	1.8	38
7	Subgroups of direct products of limit groups. Annals of Mathematics, 2009, 170, 1447-1467.	4.2	36
8	Fibre products, non-positive curvature, and decision problems. Commentarii Mathematici Helvetici, 2000, 75, 457-477.	0.7	31
9	Formal language theory and the geometry of 3-manifolds. Commentarii Mathematici Helvetici, 1996, 71, 525-555.	0.7	30
10	The Subgroups of Direct Products of Surface Groups. Geometriae Dedicata, 2002, 92, 95-103.	0.3	29
11	Structure and finiteness properties of subdirect products of groups. Proceedings of the London Mathematical Society, 2009, 98, 631-651.	1.3	29
12	Determining Fuchsian groups by their finite quotients. Israel Journal of Mathematics, 2016, 214, 1-41.	0.8	28
13	The Chabauty space of closed subgroups of the three-dimensional Heisenberg group. Pacific Journal of Mathematics, 2009, 240, 1-48.	0.5	24
14	The optimal isoperimetric inequality for torus bundles over the circle. Quarterly Journal of Mathematics, 1996, 47, 1-23.	0.8	23
15	Absolute profinite rigidity and hyperbolic geometry. Annals of Mathematics, 2020, 192, .	4.2	23
16	On the Geometry of Normal Forms in Discrete Groups. Proceedings of the London Mathematical Society, 1993, s3-67, 596-616.	1.3	22
17	Automorphisms of Automorphism Groups of Free Groups. Journal of Algebra, 2000, 229, 785-792.	0.7	22
18	On the existence of flat planes in spaces of nonpositive curvature. Proceedings of the American Mathematical Society, 1995, 123, 223-235.	0.8	21

#	ARTICLE	IF	CITATIONS
19	Context-Free Languages of Sub-exponential Growth. <i>Journal of Computer and System Sciences</i> , 2002, 64, 308-310.	1.2	20
20	Mapping class groups and outer automorphism groups of free groups are \hat{C} -simple. <i>Journal of Functional Analysis</i> , 2004, 212, 195-205.	1.4	20
21	Snowflake groups, Perron-Frobenius eigenvalues and isoperimetric spectra. <i>Geometry and Topology</i> , 2009, 13, 141-187.	1.3	20
22	Normalisers in limit groups. <i>Mathematische Annalen</i> , 2006, 337, 385-394.	1.4	19
23	Fractional isoperimetric inequalities and subgroup distortion. <i>Journal of the American Mathematical Society</i> , 1999, 12, 1103-1118.	3.9	18
24	ASYMPTOTIC CONES AND POLYNOMIAL ISOPERIMETRIC INEQUALITIES. <i>Topology</i> , 1999, 38, 543-554.	0.3	18
25	HOMOMORPHISMS FROM AUTOMORPHISM GROUPS OF FREE GROUPS. <i>Bulletin of the London Mathematical Society</i> , 2003, 35, 785-792.	0.8	18
26	Deficiency and abelianized deficiency of some virtually free groups. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2007, 143, 257-264.	0.4	18
27	Semisimple actions of mapping class groups on $CAT(0)$ spaces. , 0, , 1-14.		18
28	The symmetries of outer space. <i>Duke Mathematical Journal</i> , 2001, 106, .	1.5	18
29	CONJUGACY OF FINITE SUBSETS IN HYPERBOLIC GROUPS. <i>International Journal of Algebra and Computation</i> , 2005, 15, 725-756.	0.5	17
30	Finitely Presented Subgroups of Automatic Groups and their Isoperimetric Functions. <i>Journal of the London Mathematical Society</i> , 1997, 56, 292-304.	1.0	16
31	\mathbb{R} -complexes, towers and subgroups of F . <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1999, 126, 481-497.	0.4	16
32	Notes on Sela's work: Limit groups and Makanin-Razborov diagrams. , 2009, , 1-29.		15
33	On the Geometry of the Automorphism Group of a Free Group. <i>Bulletin of the London Mathematical Society</i> , 1995, 27, 544-552.	0.8	14
34	Malnormality is undecidable in hyperbolic groups. <i>Israel Journal of Mathematics</i> , 2001, 124, 313-316.	0.8	14
35	Infinite groups with fixed point properties. <i>Geometry and Topology</i> , 2009, 13, 1229-1263.	1.3	14
36	Doubles, Finiteness Properties of Groups, and Quadratic Isoperimetric Inequalities. <i>Journal of Algebra</i> , 1999, 214, 652-667.	0.7	13

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37	Finiteness properties for subgroups of $GL(n, \mathbb{Z})$. <i>Mathematische Annalen</i> , 2000, 317, 629-633.	1.4	13
38	POLYNOMIAL DEHN FUNCTIONS AND THE LENGTH OF ASYNCHRONOUSLY AUTOMATIC STRUCTURES. <i>Proceedings of the London Mathematical Society</i> , 2002, 85, 441-466.	1.3	13
39	Actions of automorphism groups of free groups on homology spheres and acyclic manifolds. <i>Commentarii Mathematici Helvetici</i> , 2010, 86, 73-90.	0.7	13
40	On the subgroups of right-angled Artin groups and mapping class groups. <i>Mathematical Research Letters</i> , 2013, 20, 203-212.	0.5	13
41	Quasiregular self-mappings of manifolds and word hyperbolic groups. <i>Compositio Mathematica</i> , 2007, 143, 1613-1622.	0.8	12
42	Subgroups Of Direct Products Of Elementarily Free Groups. <i>Geometric and Functional Analysis</i> , 2007, 17, 385-403.	1.8	12
43	Profinite rigidity and surface bundles over the circle. <i>Bulletin of the London Mathematical Society</i> , 2017, 49, 831-841.	0.8	12
44	The quadratic isoperimetric inequality for mapping tori of free group automorphisms. <i>Memoirs of the American Mathematical Society</i> , 2010, 203, 0-0.	0.9	12
45	Length Functions, Curvature and the Dimension of Discrete Groups. <i>Mathematical Research Letters</i> , 2001, 8, 557-567.	0.5	12
46	A remark about actions of lattices on free groups. <i>Topology and Its Applications</i> , 2001, 110, 21-24.	0.4	11
47	Actions of higher-rank lattices on free groups. <i>Compositio Mathematica</i> , 2011, 147, 1573-1580.	0.8	11
48	The triviality problem for profinite completions. <i>Inventiones Mathematicae</i> , 2015, 202, 839-874.	2.5	11
49	On the Existence of Flat Planes in Spaces of Non-Positive Curvature. <i>Proceedings of the American Mathematical Society</i> , 1995, 123, 223.	0.8	10
50	Combings of groups and the grammar of reparameterization. <i>Commentarii Mathematici Helvetici</i> , 2003, 78, 752-771.	0.7	10
51	A REMARK ABOUT COMBINGS OF GROUPS. <i>International Journal of Algebra and Computation</i> , 1993, 03, 575-581.	0.5	9
52	Optimal isoperimetric inequalities for abelian-by-free groups. <i>Topology</i> , 1995, 34, 547-564.	0.3	9
53	Recognition of subgroups of direct products of hyperbolic groups. <i>Proceedings of the American Mathematical Society</i> , 2003, 132, 59-65.	0.8	9
54	Subgroup separability in residually free groups. <i>Mathematische Zeitschrift</i> , 2008, 260, 25-30.	0.9	9

#	ARTICLE	IF	CITATIONS
55	Controlled embeddings into groups that have no non-trivial finite quotients. , 1998, , .		9
56	Finite presentation of fibre products of metabelian groups. Journal of Pure and Applied Algebra, 2003, 181, 15-22.	0.6	8
57	Decision problems and profinite completions of groups. Journal of Algebra, 2011, 326, 59-73.	0.7	8
58	Abelian covers of graphs and maps between outer automorphism groups of free groups. Mathematische Annalen, 2012, 353, 1069-1102.	1.4	8
59	Regular combings, nonpositive curvature and the quasiconvexity of abelian subgroups. Journal of Pure and Applied Algebra, 1993, 88, 23-35.	0.6	7
60	Cofinitely Hopfian groups, open mappings and knot complements. Groups, Geometry, and Dynamics, 2010, 4, 693-707.	0.5	7
61	ON GROUPS WHOSE GEODESIC GROWTH IS POLYNOMIAL. International Journal of Algebra and Computation, 2012, 22, 1250048.	0.5	7
62	Nilpotent Completions of Groups, Grothendieck Pairs, and Four Problems of Baumslag. International Mathematics Research Notices, 2015, 2015, 2111-2140.	1.0	7
63	Dimension of elementary amenable groups. Journal Fur Die Reine Und Angewandte Mathematik, 2015, 2015, .	0.9	7
64	The conjugacy and isomorphism problems for combable groups. Mathematische Annalen, 2003, 327, 305-314.	1.4	6
65	Limit groups, positive-genus towers and measure-equivalence. Ergodic Theory and Dynamical Systems, 2007, 27, 703.	0.6	6
66	The rhombic dodecahedron and semisimple actions of $\text{Aut}(F_{\langle n \rangle})$ on $\text{CAT}(0)$ spaces. Fundamenta Mathematicae, 2011, 214, 13-25.	0.5	6
67	On the dimension of $\text{CAT}(0)$ spaces where mapping class groups act. Journal Fur Die Reine Und Angewandte Mathematik, 2012, 2012, .	0.9	6
68	Volume gradients and homology in towers of residually-free groups. Mathematische Annalen, 2017, 367, 1007-1045.	1.4	6
69	Subgroups of direct products of two limit groups. Mathematical Research Letters, 2007, 14, 547-558.	0.5	6
70	Weak commutativity and finiteness properties of groups. Bulletin of the London Mathematical Society, 2019, 51, 168-180.	0.8	5
71	ON THE GROWTH OF GROUPS AND AUTOMORPHISMS. International Journal of Algebra and Computation, 2005, 15, 869-874.	0.5	4
72	A NOTE ON THE GRAMMAR OF COMBINGS. International Journal of Algebra and Computation, 2005, 15, 529-535.	0.5	4

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73	On the difficulty of presenting finitely presentable groups. <i>Groups, Geometry, and Dynamics</i> , 2011, 5, 301-325.	0.5	4
74	The virtual first Betti number of soluble groups. <i>Pacific Journal of Mathematics</i> , 2015, 274, 497-510.	0.5	4
75	Constructing non-positively curved spaces and groups. , 0, , 162-224.		3
76	The isomorphism problem for profinite completions of finitely presented, residually finite groups. <i>Groups, Geometry, and Dynamics</i> , 2014, 8, 733-745.	0.5	3
77	Constructing presentations of subgroups of right-angled Artin groups. <i>Geometriae Dedicata</i> , 2014, 169, 1-14.	0.3	3
78	Kodaira fibrations, Kähler groups, and finiteness properties. <i>Transactions of the American Mathematical Society</i> , 2019, 372, 5869-5890.	0.9	3
79	Extrinsic versus intrinsic diameter for Riemannian filling-discs and van Kampen diagrams. <i>Journal of Differential Geometry</i> , 2009, 82, .	1.1	3
80	The Dehn functions of $\text{Out}(F_n)$ and $\text{Aut}(F_n)$. <i>Annales De L'Institut Fourier</i> , 2012, 62, 1811-1817.	0.6	3
81	On the absence of cohomological finiteness in wreath products. <i>Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics</i> , 1998, 64, 222-230.	0.3	2
82	Free and fragmenting filling length. <i>Journal of Algebra</i> , 2007, 307, 171-190.	0.7	2
83	Direct factors of profinite completions and decidability. <i>Journal of Group Theory</i> , 2009, 12, .	0.2	2
84	The Schur multiplier, profinite completions and decidability. <i>Bulletin of the London Mathematical Society</i> , 2010, 42, 412-416.	0.8	2
85	Actions of arithmetic groups on homology spheres and acyclic homology manifolds. <i>Mathematische Zeitschrift</i> , 2014, 276, 387-395.	0.9	2
86	The strong profinite genus of a finitely presented group can be infinite. <i>Journal of the European Mathematical Society</i> , 2016, 18, 1909-1918.	1.4	2
87	The homology of groups, profinite completions, and echoes of Gilbert Baumslag. , 2020, , 11-28.		2
88	A condition that prevents groups from acting nontrivially on trees. <i>Geometry & Topology Monographs</i> , 2008, , .	0.0	2
89	On the algorithmic construction of classifying spaces and the isomorphism problem for biautomatic groups. <i>Science China Mathematics</i> , 2011, 54, 1533-1545.	1.7	1
90	Inversion is Possible in Groups with no Periodic Automorphisms. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2016, 59, 11-16.	0.3	1

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91	The torsion-free rank of homology in towers of soluble pro-p groups. Israel Journal of Mathematics, 2017, 219, 817-834.	0.8	1
92	On the recognition problem for virtually special cube complexes. , 0, , .		1
93	Algorithms determining finite simple images of finitely presented groups. Inventiones Mathematicae, 2019, 218, 623-648.	2.5	1
94	ON THE RECOGNITION OF RIGHT-ANGLED ARTIN GROUPS. Glasgow Mathematical Journal, 2020, 62, 473-475.	0.3	1
95	Geometric Topology. Oberwolfach Reports, 2015, 12, 187-233.	0.0	1
96	UNDECIDABILITY AND THE DEVELOPABILITY OF PERMUTOIDS AND RIGID PSEUDOGROUPS. Forum of Mathematics, Sigma, 2017, 5, .	0.7	0
97	Concise presentations of direct products. Proceedings of the American Mathematical Society, 2022, 150, 1361-1368.	0.8	0