

Brendan D Mckay

List of Publications by Year in descending order

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61
papers

2,408
citations

304743

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214800

47
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63
all docs

63
docs citations

63
times ranked

1419
citing authors

#	ARTICLE	IF	CITATIONS
1	Practical graph isomorphism, II. Journal of Symbolic Computation, 2014, 60, 94-112.	0.8	758
2	Isomorph-Free Exhaustive Generation. Journal of Algorithms, 1998, 26, 306-324.	0.9	316
3	On the Number of Latin Squares. Annals of Combinatorics, 2005, 9, 335-344.	0.6	117
4	Small latin squares, quasigroups, and loops. Journal of Combinatorial Designs, 2007, 15, 98-119.	0.6	107
5	Asymptotic Enumeration by Degree Sequence of Graphs of High Degree. European Journal of Combinatorics, 1990, 11, 565-580.	0.8	83
6	The asymptotic number of labeled connected graphs with a given number of vertices and edges. Random Structures and Algorithms, 1990, 1, 127-169.	1.1	65
7	Spanning Trees in Regular Graphs. European Journal of Combinatorics, 1983, 4, 149-160.	0.8	59
8	Vertex-transitive graphs which are not Cayley graphs, I. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1994, 56, 53-63.	0.3	54
9	Asymptotic enumeration of sparse $0 \leq 1$ matrices with irregular row and column sums. Journal of Combinatorial Theory - Series A, 2006, 113, 291-324.	0.8	50
10	The number of transversals in a Latin square. Designs, Codes, and Cryptography, 2006, 40, 269-284.	1.6	50
11	$R(4, 5) = 25$. Journal of Graph Theory, 1995, 19, 309-322.	0.9	49
12	Posets on up to 16 Points. Order, 2002, 19, 147-179.	0.5	40
13	There are 526,915,620 nonisomorphic one-factorizations of K_{12} . Journal of Combinatorial Designs, 1994, 2, 273-285.	0.6	39
14	The asymptotic numbers of regular tournaments, Eulerian digraphs and Eulerian oriented graphs. Combinatorica, 1990, 10, 367-377.	1.2	38
15	Asymptotic enumeration of sparse nonnegative integer matrices with specified row and column sums. Advances in Applied Mathematics, 2008, 41, 459-481.	0.7	33
16	Vertex-transitive graphs that are not Cayley graphs. II. Journal of Graph Theory, 1996, 22, 321-334.	0.9	32
17	Asymptotic enumeration of dense $0 \leq 1$ matrices with specified line sums. Journal of Combinatorial Theory - Series A, 2008, 115, 32-66.	0.8	32
18	Algorithms for Greechie Diagrams. International Journal of Theoretical Physics, 2000, 39, 2381-2406.	1.2	29

#	ARTICLE	IF	CITATIONS
19	Subgraph Counting Identities and Ramsey Numbers. <i>Journal of Combinatorial Theory Series B</i> , 1997, 69, 193-209.	1.0	28
20	The Smallest Cubic Graphs of Girth Nine. <i>Combinatorics Probability and Computing</i> , 1995, 4, 317-329.	1.3	27
21	The degree sequence of a random graph. I. The models. <i>Random Structures and Algorithms</i> , 1997, 11, 97-117.	1.1	26
22	Asymptotic enumeration of correlation-immune boolean functions. <i>Cryptography and Communications</i> , 2010, 2, 111-126.	1.4	23
23	Subgraphs of Dense Random Graphs with Specified Degrees. <i>Combinatorics Probability and Computing</i> , 2011, 20, 413-433.	1.3	19
24	Asymptotic enumeration of integer matrices with large equal row and column sums. <i>Combinatorica</i> , 2010, 30, 655-680.	1.2	18
25	Planar Hypohamiltonian Graphs on 40 Vertices. <i>Journal of Graph Theory</i> , 2017, 84, 121-133.	0.9	18
26	Asymptotic properties of labeled connected graphs. <i>Random Structures and Algorithms</i> , 1992, 3, 183-202.	1.1	16
27	Asymptotic Enumeration of Eulerian Circuits in the Complete Graph. <i>Combinatorics Probability and Computing</i> , 1998, 7, 437-449.	1.3	16
28	The average number of spanning trees in sparse graphs with given degrees. <i>European Journal of Combinatorics</i> , 2017, 63, 6-25.	0.8	16
29	Subgraphs of Random Graphs with Specified Degrees. , 2011, , .		16
30	Collective Choice and Mutual Knowledge Structures. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 1998, 01, 221-236.	1.4	15
31	Graph approach to quantum systems. <i>Journal of Mathematical Physics</i> , 2010, 51, 102103.	1.1	15
32	Cycles Through 23 Vertices in 3-Connected Cubic Planar Graphs. <i>Graphs and Combinatorics</i> , 1999, 15, 373-376.	0.4	14
33	Recursive generation of IPR fullerenes. <i>Journal of Mathematical Chemistry</i> , 2015, 53, 1702-1724.	1.5	14
34	Random dense bipartite graphs and directed graphs with specified degrees. <i>Random Structures and Algorithms</i> , 2009, 35, 222-249.	1.1	13
35	Asymptotic Enumeration of Tournaments with a Given Score Sequence. <i>Journal of Combinatorial Theory - Series A</i> , 1996, 73, 77-90.	0.8	12
36	Complex martingales and asymptotic enumeration. <i>Random Structures and Algorithms</i> , 2018, 52, 617-661.	1.1	12

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37	The Order of Automorphisms of Quasigroups. <i>Journal of Combinatorial Designs</i> , 2015, 23, 275-288.	0.6	11
38	Surge: a fast open-source chemical graph generator. <i>Journal of Cheminformatics</i> , 2022, 14, 24.	6.1	10
39	Generating function methods for macromolecules at surfaces. I. One molecule at a plane surface. <i>Journal of Chemical Physics</i> , 1986, 85, 5299-5305.	3.0	9
40	Asymptotic Enumeration of Sparse Multigraphs with Given Degrees. <i>SIAM Journal on Discrete Mathematics</i> , 2013, 27, 2064-2089.	0.8	8
41	On Subgraph Sizes in Random Graphs. <i>Combinatorics Probability and Computing</i> , 1992, 1, 123-134.	1.3	7
42	Asymptotic enumeration of tournaments with a given score sequence containing a specified digraph. <i>Random Structures and Algorithms</i> , 2000, 16, 47-57.	1.1	7
43	On the shape of a random acyclic digraph. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1989, 106, 459-465.	0.4	6
44	Multicolored trees in random graphs. <i>Random Structures and Algorithms</i> , 1994, 5, 45-56.	1.1	6
45	Asymptotic Enumeration of Graphs with a Given Upper Bound on the Maximum Degree. <i>Combinatorics Probability and Computing</i> , 2002, 11, 373-392.	1.3	5
46	Subgraphs of Random k -Edge-Coloured k -Regular Graphs. <i>Combinatorics Probability and Computing</i> , 2009, 18, 533-549.	1.3	5
47	Generating function methods for macromolecules at surfaces. II. One molecule between two planes. <i>Journal of Chemical Physics</i> , 1988, 88, 5171-5180.	3.0	4
48	A Linear Time Algorithm for Constructing Maximally Symmetric Straight Line Drawings of Triconnected Planar Graphs. <i>Discrete and Computational Geometry</i> , 2006, 36, 283-311.	0.6	4
49	ASYMPTOTIC ENUMERATION OF SYMMETRIC INTEGER MATRICES WITH UNIFORM ROW SUMS. <i>Journal of the Australian Mathematical Society</i> , 2012, 92, 367-384.	0.4	4
50	Hypohamiltonian Planar Cubic Graphs with Girth 5. <i>Journal of Graph Theory</i> , 2017, 85, 7-11.	0.9	4
51	Fast fully dynamic labelling for distance queries. <i>VLDB Journal</i> , 2022, 31, 483-506.	4.1	4
52	Asymptotic enumeration of linear hypergraphs with given number of vertices and edges. <i>Advances in Applied Mathematics</i> , 2020, 115, 102000.	0.7	3
53	Counting loopy graphs with given degrees. <i>Linear Algebra and Its Applications</i> , 2012, 436, 901-926.	0.9	2
54	Switching Reconstruction of Digraphs. <i>Journal of Graph Theory</i> , 2014, 76, 279-296.	0.9	2

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55	On a bound of Hoeffding in the complex case. <i>Electronic Communications in Probability</i> , 2016, 21, .	0.4	2
56	Subgraph counts for dense random graphs with specified degrees. <i>Combinatorics Probability and Computing</i> , 2021, 30, 460-497.	1.3	2
57	Enumeration of Latin squares with conjugate symmetry. <i>Journal of Combinatorial Designs</i> , 2022, 30, 105.	0.6	2
58	Addressing Johnson Graphs, Complete Multipartite Graphs, Odd Cycles, and Random Graphs. <i>Experimental Mathematics</i> , 2021, 30, 372-382.	0.7	1
59	Degree sequences of random digraphs and bipartite graphs. <i>Electronic Journal of Combinatorics</i> , 2016, 7, 21-49.	0.1	1
60	The r-switching-stable graphs. <i>Discrete Applied Mathematics</i> , 2019, 266, 16-29.	0.9	0
61	Collective Choice and Mutual Knowledge Structures. , 2002, , 273-289.		0