

Alan M Frieze

List of Publications by Year in descending order

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349
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Min-Wise Independent Permutations. Journal of Computer and System Sciences, 2000, 60, 630-659.	1.2	540
2	A random polynomial-time algorithm for approximating the volume of convex bodies. Journal of the ACM, 1991, 38, 1-17.	2.2	516
3	Fast monte-carlo algorithms for finding low-rank approximations. Journal of the ACM, 2004, 51, 1025-1041.	2.2	349
4	Quick Approximation to Matrices and Applications. Combinatorica, 1999, 19, 175-220.	1.2	319
5	Clustering Large Graphs via the Singular Value Decomposition. Machine Learning, 2004, 56, 9-33.	5.4	318
6	Improved approximation algorithms for MAXk-CUT and MAX BISECTION. Algorithmica, 1997, 18, 67-81.	1.3	303
7	A general model of web graphs. Random Structures and Algorithms, 2003, 22, 311-335.	1.1	238
8	On the Complexity of Computing the Volume of a Polyhedron. SIAM Journal on Computing, 1988, 17, 967-974.	1.0	222
9	On the worst-case performance of some algorithms for the asymmetric traveling salesman problem. Networks, 1982, 12, 23-39.	2.7	211
10	The shortest-path problem for graphs with random arc-lengths. Discrete Applied Mathematics, 1985, 10, 57-77.	0.9	199
11	Analysis of Two Simple Heuristics on a Random Instance of k-sat. Journal of Algorithms, 1996, 20, 312-355.	0.9	176
12	On the value of a random minimum spanning tree problem. Discrete Applied Mathematics, 1985, 10, 47-56.	0.9	162
13	A simple heuristic for the p-centre problem. Operations Research Letters, 1985, 3, 285-288.	0.7	143
14	Approximation algorithms for the m-dimensional 0-1 knapsack problem: Worst-case and probabilistic analyses. European Journal of Operational Research, 1984, 15, 100-109.	5.7	134
15	The solution of some random NP-hard problems in polynomial expected time. Journal of Algorithms, 1989, 10, 451-489.	0.9	126
16	On the independence number of random graphs. Discrete Mathematics, 1990, 81, 171-175.	0.7	123
17	On the complexity of partitioning graphs into connected subgraphs. Discrete Applied Mathematics, 1985, 10, 139-153.	0.9	122
18	On the quadratic assignment problem. Discrete Applied Mathematics, 1983, 5, 89-98.	0.9	115

#	ARTICLE	IF	CITATIONS
19	Planar 3DM is NP-complete. Journal of Algorithms, 1986, 7, 174-184.	0.9	115
20	On Counting Independent Sets in Sparse Graphs. SIAM Journal on Computing, 2002, 31, 1527-1541.	1.0	100
21	Reconstructing Truncated Integer Variables Satisfying Linear Congruences. SIAM Journal on Computing, 1988, 17, 262-280.	1.0	94
22	An algorithm for finding hamilton paths and cycles in random graphs. Combinatorica, 1987, 7, 327-341.	1.2	87
23	Complexity of a 3-dimensional assignment problem. European Journal of Operational Research, 1983, 13, 161-164.	5.7	86
24	On graph irregularity strength. Journal of Graph Theory, 2002, 41, 120-137.	0.9	84
25	On key storage in secure networks. Journal of Cryptology, 1995, 8, 189-200.	2.8	81
26	On the connectivity of randomm-orientable graphs and digraphs. Combinatorica, 1982, 2, 347-359.	1.2	77
27	Fast Monte-Carlo algorithms for finding low-rank approximations. , 0, , .		77
28	Avoiding a giant component. Random Structures and Algorithms, 2001, 19, 75-85.	1.1	76
29	Algorithmic theory of random graphs. Random Structures and Algorithms, 1997, 10, 5-42.	1.1	73
30	Maximum matchings in sparse random graphs: Karpâ€“Sipser revisited. Random Structures and Algorithms, 1998, 12, 111-177.	1.1	72
31	How many random edges make a dense graph hamiltonian?. Random Structures and Algorithms, 2003, 22, 33-42.	1.1	70
32	The regularity lemma and approximation schemes for dense problems. , 0, , .		67
33	A Geometric Preferential Attachment Model of Networks. Internet Mathematics, 2006, 3, 187-205.	0.7	65
34	Random Deletion in a Scale-Free Random Graph Process. Internet Mathematics, 2004, 1, 463-483.	0.7	64
35	On the independence and chromatic numbers of random regular graphs. Journal of Combinatorial Theory Series B, 1992, 54, 123-132.	1.0	63
36	The Size of the Largest Strongly Connected Component of a Random Digraph with a Given Degree Sequence. Combinatorics Probability and Computing, 2004, 13, 319-337.	1.3	63

#	ARTICLE	IF	CITATIONS
37	Random k -Sat: A Tight Threshold For Moderately Growing k . <i>Combinatorica</i> , 2005, 25, 297-305.	1.2	62
38	Multiple Random Walks in Random Regular Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2010, 23, 1738-1761.	0.8	62
39	Multicoloured Hamilton Cycles. <i>Electronic Journal of Combinatorics</i> , 1995, 2, .	0.4	59
40	The Cover Time of Random Regular Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2005, 18, 728-740.	0.8	57
41	Assessing significance in a Markov chain without mixing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2860-2864.	7.1	57
42	Existence and Construction of Edge-Disjoint Paths on Expander Graphs. <i>SIAM Journal on Computing</i> , 1994, 23, 976-989.	1.0	56
43	A new rounding procedure for the assignment problem with applications to dense graph arrangement problems. <i>Mathematical Programming</i> , 2002, 92, 1-36.	2.4	56
44	Avoidance of a giant component in half the edge set of a random graph. <i>Random Structures and Algorithms</i> , 2004, 25, 432-449.	1.1	56
45	On the Lagarias-Odlyzko Algorithm for the Subset Sum Problem. <i>SIAM Journal on Computing</i> , 1986, 15, 536-539.	1.0	53
46	Probabilistic Analysis of a Relaxation for the k -Median Problem. <i>Mathematics of Operations Research</i> , 1988, 13, 1-31.	1.3	52
47	The cover time of the preferential attachment graph. <i>Journal of Combinatorial Theory Series B</i> , 2007, 97, 269-290.	1.0	51
48	On two Hamilton cycle problems in random graphs. <i>Israel Journal of Mathematics</i> , 2008, 166, 221-234.	0.8	51
49	The Probability of Unique Solutions of Sequencing by Hybridization. <i>Journal of Computational Biology</i> , 1994, 1, 105-110.	1.6	50
50	A polynomial-time algorithm for learning noisy linear threshold functions. , 0, , .		50
51	Randomly coloring graphs with lower bounds on girth and maximum degree. <i>Random Structures and Algorithms</i> , 2003, 23, 167-179.	1.1	50
52	A Polynomial-Time Algorithm for Learning Noisy Linear Threshold Functions. <i>Algorithmica</i> , 1998, 22, 35-52.	1.3	48
53	Random walks, totally unimodular matrices, and a randomised dual simplex algorithm. <i>Mathematical Programming</i> , 1994, 64, 1-16.	2.4	45
54	Sampling from Log-Concave Distributions. <i>Annals of Applied Probability</i> , 1994, 4, .	1.3	45

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55	The cover time of sparse random graphs. Random Structures and Algorithms, 2007, 30, 1-16.	1.1	44
56	On random minimum length spanning trees. Combinatorica, 1989, 9, 363-374.	1.2	43
57	A randomized algorithm for fixed-dimensional linear programming. Mathematical Programming, 1989, 44, 203-212.	2.4	42
58	On packing Hamilton cycles in $G(n, p)$. Random Structures and Algorithms, 1990, 1, 1-16.	1.0	42
59	On the existence of Hamiltonian cycles in a class of random graphs. Discrete Mathematics, 1983, 45, 301-305.	0.7	40
60	Polychromatic Hamilton cycles. Discrete Mathematics, 1993, 118, 69-74.	0.7	40
61	Variations on cops and robbers. Journal of Graph Theory, 2012, 69, 383-402.	0.9	40
62	On linear programs with random costs. Mathematical Programming, 1986, 35, 3-16.	2.4	39
63	A Mildly Exponential Time Algorithm for Approximating the Number of Solutions to a Multidimensional Knapsack Problem. Combinatorics Probability and Computing, 1993, 2, 271-284.	1.3	39
64	Randomly coloring sparse random graphs with fewer colors than the maximum degree. Random Structures and Algorithms, 2006, 29, 450-465.	1.1	39
65	Adding random edges to dense graphs. Random Structures and Algorithms, 2004, 24, 105-117.	1.1	38
66	Randomized greedy matching. Random Structures and Algorithms, 1991, 2, 29-45.	1.1	37
67	Generating and Counting Hamilton Cycles in Random Regular Graphs. Journal of Algorithms, 1996, 21, 176-198.	0.9	37
68	A General Model of Undirected Web Graphs. Lecture Notes in Computer Science, 2001, , 500-511.	1.3	36
69	On large matchings and cycles in sparse random graphs. Discrete Mathematics, 1986, 59, 243-256.	0.7	35
70	An algorithm for finding hamilton cycles in random directed graphs. Journal of Algorithms, 1988, 9, 181-204.	0.9	35
71	Polynomial time randomized approximation schemes for Tutte-Grothendieck invariants: The dense case. Random Structures and Algorithms, 1995, 6, 459-478.	1.1	35
72	Randomized greedy matching. II. Random Structures and Algorithms, 1995, 6, 55-73.	1.1	34

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73	Codes identifying sets of vertices in random networks. Discrete Mathematics, 2007, 307, 1094-1107.	0.7	34
74	Maximum matchings in random bipartite graphs and the space utilization of Cuckoo Hash tables. Random Structures and Algorithms, 2012, 41, 334-364.	1.1	34
75	A new rounding procedure for the assignment problem with applications to dense graph arrangement problems. , 0, , .		33
76	Perfect Matchings in Random r -regular, s -uniform Hypergraphs. Combinatorics Probability and Computing, 1996, 5, 1-14.	1.3	33
77	Random Minimum Length Spanning Trees in Regular Graphs. Combinatorica, 1998, 18, 311-333.	1.2	33
78	Optimal Construction of Edge-Disjoint Paths in Random Graphs. SIAM Journal on Computing, 1998, 28, 541-573.	1.0	33
79	Random Regular Graphs of Non-Constant Degree: Connectivity and Hamiltonicity. Combinatorics Probability and Computing, 2002, 11, 249-261.	1.3	33
80	Finding hamilton cycles in sparse random graphs. Journal of Combinatorial Theory Series B, 1988, 44, 230-250.	1.0	32
81	Approximately Counting Hamilton Paths and Cycles in Dense Graphs. SIAM Journal on Computing, 1998, 27, 1262-1272.	1.0	32
82	Optimal Reconstruction of a Sequence from its Probes. Journal of Computational Biology, 1999, 6, 361-368.	1.6	32
83	On the chromatic number of a random hypergraph. Journal of Combinatorial Theory Series B, 2015, 113, 68-122.	1.0	32
84	Probabilistic analysis of a parallel algorithm for finding maximal independent sets. Random Structures and Algorithms, 1990, 1, 39-50.	1.1	31
85	Edge-Disjoint Paths in Expander Graphs. SIAM Journal on Computing, 2001, 30, 1790-1801.	1.0	31
86	The cover time of the giant component of a random graph. Random Structures and Algorithms, 2008, 32, 401-439.	1.1	31
87	Probabilistic Analysis of the Multidimensional Knapsack Problem. Mathematics of Operations Research, 1989, 14, 162-176.	1.3	30
88	Mixing properties of the Swendsen-Wang process on classes of graphs. Random Structures and Algorithms, 1999, 15, 242-261.	1.1	30
89	Random graph orders. Order, 1989, 6, 19-30.	0.5	29
90	Loose Hamilton Cycles in Random 3-Uniform Hypergraphs. Electronic Journal of Combinatorics, 2010, 17, .	0.4	29

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91	Tight Hamilton cycles in random uniform hypergraphs. Random Structures and Algorithms, 2013, 42, 374-385.	1.1	27
92	Static and Dynamic Path Selection on Expander Graphs: A Random Walk Approach. Random Structures and Algorithms, 1999, 14, 87-109.	1.1	26
93	A Geometric Preferential Attachment Model of Networks II. Internet Mathematics, 2007, 4, 87-111.	0.7	26
94	Log-Sobolev inequalities and sampling from log-concave distributions. Annals of Applied Probability, 1999, 9, .	1.3	25
95	Loose Hamilton Cycles in Random Uniform Hypergraphs. Electronic Journal of Combinatorics, 2011, 18, .	0.4	25
96	Maximum matchings in a class of random graphs. Journal of Combinatorial Theory Series B, 1986, 40, 196-212.	1.0	24
97	On Random Symmetric Travelling Salesman Problems. Mathematics of Operations Research, 2004, 29, 878-890.	1.3	24
98	Random triangle removal. Advances in Mathematics, 2015, 280, 379-438.	1.1	23
99	Hamiltonian cycles in random regular graphs. Journal of Combinatorial Theory Series B, 1984, 37, 103-112.	1.0	22
100	An analysis of a Monte Carlo algorithm for estimating the permanent. Combinatorica, 1995, 15, 67-83.	1.2	22
101	The emergence of a giant component in random subgraphs of pseudo-random graphs. Random Structures and Algorithms, 2004, 24, 42-50.	1.1	21
102	Hamilton cycles in \mathcal{H}_n . Random Structures and Algorithms, 2009, 35, 393-417.	1.1	21
103	Coloring simple hypergraphs. Journal of Combinatorial Theory Series B, 2013, 103, 767-794.	1.0	21
104	On the independence number of random cubic graphs. Random Structures and Algorithms, 1994, 5, 649-664.	1.1	20
105	Covering the edges of a random graph by cliques. Combinatorica, 1995, 15, 489-497.	1.2	20
106	Perfect matchings in random s-uniform hypergraphs. Random Structures and Algorithms, 1995, 7, 41-57.	1.1	20
107	On Markov Chains for Randomly H-Coloring a Graph. Journal of Algorithms, 2001, 39, 117-134.	0.9	20
108	Random Regular Graphs of Non-Constant Degree: Independence and Chromatic Number. Combinatorics Probability and Computing, 2002, 11, 323-341.	1.3	20

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109	Randomly Coloring Constant Degree Graphs. , 0, , .		20
110	Rainbow hamilton cycles in random graphs. Random Structures and Algorithms, 2014, 44, 328-354.	1.1	20
111	An extension of Christofides heuristic to the k-person travelling salesman problem. Discrete Applied Mathematics, 1983, 6, 79-83.	0.9	19
112	A probabilistic analysis of the next fit decreasing bin packing heuristic. Operations Research Letters, 1986, 5, 233-236.	0.7	19
113	Probabilistic analysis of the generalised assignment problem. Mathematical Programming, 1992, 55, 169-181.	2.4	19
114	Hamilton cycles in random graphs and directed graphs. Random Structures and Algorithms, 2000, 16, 369-401.	1.1	19
115	A probabilistic analysis of randomly generated binary constraint satisfaction problems. Theoretical Computer Science, 2003, 290, 1815-1828.	0.9	19
116	The satisfiability threshold for randomly generated binary constraint satisfaction problems. Random Structures and Algorithms, 2006, 28, 323-339.	1.1	19
117	Stationary distribution and cover time of random walks on random digraphs. Journal of Combinatorial Theory Series B, 2012, 102, 329-362.	1.0	19
118	Randomly coloring constant degree graphs. Random Structures and Algorithms, 2013, 43, 181-200.	1.1	19
119	On the Length of a Random Minimum Spanning Tree. Combinatorics Probability and Computing, 2016, 25, 89-107.	1.3	19
120	Hamilton Cycles in Random Regular Digraphs. Combinatorics Probability and Computing, 1994, 3, 39-49.	1.3	18
121	Mixing properties of the Swendsen-Wang process on the complete graph and narrow grids. Journal of Mathematical Physics, 2000, 41, 1499-1527.	1.1	18
122	Multi-Coloured Hamilton Cycles in Random Edge-Coloured Graphs. Combinatorics Probability and Computing, 2002, 11, 129-133.	1.3	18
123	On the random 2-stage minimum spanning tree. Random Structures and Algorithms, 2006, 28, 24-36.	1.1	18
124	Finding a maximum matching in a sparse random graph in $O(n)$ expected time. Journal of the ACM, 2010, 57, 1-27.	2.2	18
125	Packing hamilton cycles in random and pseudo-random hypergraphs. Random Structures and Algorithms, 2012, 41, 1-22.	1.1	18
126	Analysis of heuristics for finding a maximum weight planar subgraph. European Journal of Operational Research, 1985, 20, 102-114.	5.7	17

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127	Learning linear transformations. , 0, , .		17
128	Greedy Algorithms for the Shortest Common Superstring That Are Asymptotically Optimal. Algorithmica, 1998, 21, 21-36.	1.3	17
129	On the power of universal bases in sequencing by hybridization. , 1999, , .		17
130	Line-of-Sight Networks. Combinatorics Probability and Computing, 2009, 18, 145-163.	1.3	17
131	An Efficient Sparse Regularity Concept. SIAM Journal on Discrete Mathematics, 2010, 23, 2000-2034.	0.8	17
132	An Analysis of Random-Walk Cuckoo Hashing. SIAM Journal on Computing, 2011, 40, 291-308.	1.0	17
133	Packing tight Hamilton cycles in ϵ -uniform hypergraphs. Random Structures and Algorithms, 2012, 40, 269-300.	1.1	17
134	Multiple Random Walks and Interacting Particle Systems. Lecture Notes in Computer Science, 2009, , 399-410.	1.3	17
135	Algorithms for assignment problems on an array processor. Parallel Computing, 1989, 11, 151-162.	2.1	16
136	Coloring H -free hypergraphs. Random Structures and Algorithms, 2010, 36, 11-25.	1.1	16
137	A Simple Algorithm for Constructing Szemerédi's Regularity Partition. Electronic Journal of Combinatorics, 1999, 6, .	0.4	16
138	Shortest path algorithms for knapsack type problems. Mathematical Programming, 1976, 11, 150-157.	2.4	15
139	A partitioning algorithm for minimum weighted Euclidean matching. Information Processing Letters, 1984, 18, 59-62.	0.6	15
140	Counting the Number of Hamilton Cycles in Random Digraphs. Random Structures and Algorithms, 1992, 3, 235-241.	1.1	15
141	Hamilton cycles in random subgraphs of pseudo-random graphs. Discrete Mathematics, 2002, 256, 137-150.	0.7	15
142	Karpâ€“Sipser on Random Graphs with a Fixed Degree Sequence. Combinatorics Probability and Computing, 2011, 20, 721-741.	1.3	15
143	Cover time of a random graph with given degree sequence. Discrete Mathematics, 2012, 312, 3146-3163.	0.7	15
144	Rainbow matchings and Hamilton cycles in random graphs. Random Structures and Algorithms, 2016, 48, 503-523.	1.1	15

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145	A SURVEY ON THE USE OF MARKOV CHAINS TO RANDOMLY SAMPLE COLOURINGS. , 2007, , 53-71.		15
146	A Note on Random Minimum Length Spanning Trees. Electronic Journal of Combinatorics, 2000, 7, .	0.4	15
147	Optimal Divisibility Conditions for Loose Hamilton Cycles in Random Hypergraphs. Electronic Journal of Combinatorics, 2012, 19, .	0.4	15
148	Large holes in sparse random graphs. Combinatorica, 1987, 7, 265-274.	1.2	14
149	Large induced trees in sparse random graphs. Journal of Combinatorial Theory Series B, 1987, 42, 181-195.	1.0	14
150	Parallel algorithms for finding Hamilton cycles in random graphs. Information Processing Letters, 1987, 25, 111-117.	0.6	14
151	On the number of hamilton cycles in a random graph. Journal of Graph Theory, 1989, 13, 719-735.	0.9	14
152	A new integer programming formulation for the permutation flowshop problem. European Journal of Operational Research, 1989, 40, 90-98.	5.7	14
153	Finding hidden hamiltonian cycles. Random Structures and Algorithms, 1994, 5, 395-410.	1.1	14
154	The game chromatic number of random graphs. Random Structures and Algorithms, 2008, 32, 223-235.	1.1	14
155	The cover time of random geometric graphs. Random Structures and Algorithms, 2011, 38, 324-349.	1.1	14
156	Some Typical Properties of the Spatial Preferred Attachment Model. Internet Mathematics, 2014, 10, 116-136.	0.7	14
157	Rainbow Connection of Random Regular Graphs. SIAM Journal on Discrete Mathematics, 2015, 29, 2255-2266.	0.8	14
158	Hamilton Cycles in a Class of Random Directed Graphs. Journal of Combinatorial Theory Series B, 1994, 62, 151-163.	1.0	13
159	Broadcasting in random graphs. Discrete Applied Mathematics, 1994, 54, 77-79.	0.9	13
160	A general approach to dynamic packet routing with bounded buffers. , 0, , .		13
161	Randomly colouring graphs with lower bounds on girth and maximum degree. , 2001, , .		13
162	Product rule wins a competitive game. Proceedings of the American Mathematical Society, 2007, 135, 3061-3071.	0.8	13

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163	Ramsey games with giants. Random Structures and Algorithms, 2011, 38, 1-32.	1.1	13
164	On patching algorithms for random asymmetric travelling salesman problems. Mathematical Programming, 1990, 46, 361-378.	2.4	12
165	The worst-case running time of the random simplex algorithm is exponential in the height. Information Processing Letters, 1995, 56, 79-81.	0.6	12
166	Splitting an Expander Graph. Journal of Algorithms, 1999, 33, 166-172.	0.9	12
167	Optimal Sequencing by Hybridization in Rounds. Journal of Computational Biology, 2002, 9, 355-369.	1.6	12
168	Adversarial Deletion in a Scale-Free Random Graph Process. Combinatorics Probability and Computing, 2007, 16, 261.	1.3	12
169	The diameter of randomly perturbed digraphs and some applications. Random Structures and Algorithms, 2007, 30, 484-504.	1.1	12
170	When Is the Assignment Bound Tight for the Asymmetric Traveling-Salesman Problem?. SIAM Journal on Computing, 1995, 24, 484-493.	1.0	11
171	Optimal Construction of Edge-Disjoint Paths in Random Regular Graphs. Combinatorics Probability and Computing, 2000, 9, 241-263.	1.3	11
172	Random 2-SAT with Prescribed Literal Degrees. Algorithmica, 2007, 48, 249-265.	1.3	11
173	Approximate counting of regular hypergraphs. Information Processing Letters, 2013, 113, 785-788.	0.6	11
174	On Certain Properties of Random Apollonian Networks. Lecture Notes in Computer Science, 2012, , 93-112.	1.3	11
175	On smoothed k -CNF formulas and the Walksat algorithm. , 2009, , .		11
176	Partitioning heuristics for two geometric maximization problems. Operations Research Letters, 1984, 3, 267-270.	0.7	10
177	Packing Tight Hamilton Cycles in Uniform Hypergraphs. SIAM Journal on Discrete Mathematics, 2012, 26, 435-451.	0.8	10
178	The cover times of random walks on random uniform hypergraphs. Theoretical Computer Science, 2013, 509, 51-69.	0.9	10
179	Disjoint Paths in Expander Graphs via Random Walks: a Short Survey. Lecture Notes in Computer Science, 1998, , 1-14.	1.3	10
180	Probabilistic Analysis of an Algorithm in the Theory of Markets in Indivisible Goods. Annals of Applied Probability, 1995, 5, .	1.3	10

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181	On the Number of Perfect Matchings and Hamilton Cycles in ϵ -Regular Non-bipartite Graphs. Electronic Journal of Combinatorics, 2000, 7, .	0.4	10
182	On the random construction of heaps. Information Processing Letters, 1988, 27, 103-109.	0.6	9
183	On the Connectivity of Random k -th Nearest Neighbour Graphs. Combinatorics Probability and Computing, 1995, 4, 343-362.	1.3	9
184	On the Non-Planarity of a Random Subgraph. Combinatorics Probability and Computing, 2013, 22, 722-732.	1.3	9
185	Embedding the Erdős-Rényi hypergraph into the random regular hypergraph and Hamiltonicity. Journal of Combinatorial Theory Series B, 2017, 122, 719-740.	1.0	9
186	A note on the localization number of random graphs: Diameter two case. Discrete Applied Mathematics, 2019, 254, 107-112.	0.9	9
187	High Degree Vertices and Eigenvalues in the Preferential Attachment Graph. Lecture Notes in Computer Science, 2003, , 264-274.	1.3	9
188	A note on the random greedy triangle-packing algorithm. Electronic Journal of Combinatorics, 2010, 1, 477-488.	0.1	9
189	On the problem of approximating the number of bases of a matroid. Information Processing Letters, 1994, 50, 9-11.	0.6	8
190	Average-case complexity of shortest-paths problems in the vertex-potential model. Random Structures and Algorithms, 2000, 16, 33-46.	1.1	8
191	A general approach to dynamic packet routing with bounded buffers. Journal of the ACM, 2001, 48, 324-349.	2.2	8
192	On the b -Independence Number of Sparse Random Graphs. Combinatorics Probability and Computing, 2004, 13, 295-309.	1.3	8
193	The Game of JumbleG. Combinatorics Probability and Computing, 2005, 14, 783.	1.3	8
194	On the Chromatic Number of Random Graphs with a Fixed Degree Sequence. Combinatorics Probability and Computing, 2007, 16, 733.	1.3	8
195	Anti-Ramsey properties of random graphs. Journal of Combinatorial Theory Series B, 2010, 100, 299-312.	1.0	8
196	Cops and Robbers on Geometric Graphs. Combinatorics Probability and Computing, 2012, 21, 816-834.	1.3	8
197	The height of random k -trees and related branching processes. Random Structures and Algorithms, 2014, 45, 675-702.	1.1	8
198	A scaling limit for the length of the longest cycle in a sparse random graph. Journal of Combinatorial Theory Series B, 2021, 148, 184-208.	1.0	8

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199	Algorithmic theory of random graphs. , 1997, 10, 5.		8
200	A Geometric Preferential Attachment Model of Networks II. , 2007, , 41-55.		8
201	On the Chromatic Number of Simple Triangle-Free Triple Systems. Electronic Journal of Combinatorics, 2008, 15, .	0.4	8
202	On the Exact Solution of Random Travelling Salesman Problems with Medium Size Integer Coefficients. SIAM Journal on Computing, 1987, 16, 1052-1072.	1.0	7
203	On an optimization problem with nested constraints. Discrete Applied Mathematics, 1990, 26, 159-173.	0.9	7
204	Greedy Matching on the Line. SIAM Journal on Computing, 1990, 19, 666-672.	1.0	7
205	On Subgraph Sizes in Random Graphs. Combinatorics Probability and Computing, 1992, 1, 123-134.	1.3	7
206	Balanced allocations for tree-like inputs. Information Processing Letters, 1995, 55, 329-332.	0.6	7
207	Efficient communication in an ad-hoc network. Journal of Algorithms, 2004, 52, 1-7.	0.9	7
208	The Strong Chromatic Index of Random Graphs. SIAM Journal on Discrete Mathematics, 2005, 19, 719-727.	0.8	7
209	Hamilton cycles in random lifts of graphs. European Journal of Combinatorics, 2006, 27, 1282-1293.	0.8	7
210	The Probabilistic Relationship Between the Assignment and Asymmetric Traveling Salesman Problems. SIAM Journal on Computing, 2007, 36, 1435-1452.	1.0	7
211	Hypergraphs with independent neighborhoods. Combinatorica, 2010, 30, 277-293.	1.2	7
212	Component structure of the vacant set induced by a random walk on a random graph. Random Structures and Algorithms, 2013, 42, 135-158.	1.1	7
213	Analyzing Walksat on Random Formulas. SIAM Journal on Computing, 2014, 43, 1456-1485.	1.0	7
214	An almost linear time algorithm for finding Hamilton cycles in sparse random graphs with minimum degree at least three. Random Structures and Algorithms, 2015, 47, 73-98.	1.1	7
215	Looking for vertex number one. Annals of Applied Probability, 2017, 27, .	1.3	7
216	Elegantly Colored Paths and Cycles in Edge Colored Random Graphs. SIAM Journal on Discrete Mathematics, 2018, 32, 1585-1618.	0.8	7

#	ARTICLE	IF	CITATIONS
217	On randomly colouring locally sparse graphs. Discrete Mathematics and Theoretical Computer Science, 0, Vol. 8, .	0.1	7
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