

Alan M Frieze

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6454146/publications.pdf>

Version: 2024-02-01

339
papers

10,429
citations

46984

47
h-index

51562

86
g-index

349
all docs

349
docs citations

349
times ranked

4045
citing authors

#	ARTICLE	IF	CITATIONS
1	Min-Wise Independent Permutations. <i>Journal of Computer and System Sciences</i> , 2000, 60, 630-659.	0.9	540
2	A random polynomial-time algorithm for approximating the volume of convex bodies. <i>Journal of the ACM</i> , 1991, 38, 1-17.	1.8	516
3	Fast monte-carlo algorithms for finding low-rank approximations. <i>Journal of the ACM</i> , 2004, 51, 1025-1041.	1.8	349
4	Quick Approximation to Matrices and Applications. <i>Combinatorica</i> , 1999, 19, 175-220.	0.6	319
5	Clustering Large Graphs via the Singular Value Decomposition. <i>Machine Learning</i> , 2004, 56, 9-33.	3.4	318
6	Improved approximation algorithms for MAXk-CUT and MAX BISECTION. <i>Algorithmica</i> , 1997, 18, 67-81.	1.0	303
7	A general model of web graphs. <i>Random Structures and Algorithms</i> , 2003, 22, 311-335.	0.6	238
8	On the Complexity of Computing the Volume of a Polyhedron. <i>SIAM Journal on Computing</i> , 1988, 17, 967-974.	0.8	222
9	On the worst-case performance of some algorithms for the asymmetric traveling salesman problem. <i>Networks</i> , 1982, 12, 23-39.	1.6	211
10	The shortest-path problem for graphs with random arc-lengths. <i>Discrete Applied Mathematics</i> , 1985, 10, 57-77.	0.5	199
11	Analysis of Two Simple Heuristics on a Random Instance of k-sat. <i>Journal of Algorithms</i> , 1996, 20, 312-355.	0.9	176
12	On the value of a random minimum spanning tree problem. <i>Discrete Applied Mathematics</i> , 1985, 10, 47-56.	0.5	162
13	A simple heuristic for the p-centre problem. <i>Operations Research Letters</i> , 1985, 3, 285-288.	0.5	143
14	Approximation algorithms for the m-dimensional 0-1 knapsack problem: Worst-case and probabilistic analyses. <i>European Journal of Operational Research</i> , 1984, 15, 100-109.	3.5	134
15	The solution of some random NP-hard problems in polynomial expected time. <i>Journal of Algorithms</i> , 1989, 10, 451-489.	0.9	126
16	On the independence number of random graphs. <i>Discrete Mathematics</i> , 1990, 81, 171-175.	0.4	123
17	On the complexity of partitioning graphs into connected subgraphs. <i>Discrete Applied Mathematics</i> , 1985, 10, 139-153.	0.5	122
18	On the quadratic assignment problem. <i>Discrete Applied Mathematics</i> , 1983, 5, 89-98.	0.5	115

#	ARTICLE	IF	CITATIONS
19	Planar 3DM is NP-complete. <i>Journal of Algorithms</i> , 1986, 7, 174-184.	0.9	115
20	On Counting Independent Sets in Sparse Graphs. <i>SIAM Journal on Computing</i> , 2002, 31, 1527-1541.	0.8	100
21	Reconstructing Truncated Integer Variables Satisfying Linear Congruences. <i>SIAM Journal on Computing</i> , 1988, 17, 262-280.	0.8	94
22	An algorithm for finding hamilton paths and cycles in random graphs. <i>Combinatorica</i> , 1987, 7, 327-341.	0.6	87
23	Complexity of a 3-dimensional assignment problem. <i>European Journal of Operational Research</i> , 1983, 13, 161-164.	3.5	86
24	On graph irregularity strength. <i>Journal of Graph Theory</i> , 2002, 41, 120-137.	0.5	84
25	On key storage in secure networks. <i>Journal of Cryptology</i> , 1995, 8, 189-200.	2.1	81
26	On the connectivity of random orientable graphs and digraphs. <i>Combinatorica</i> , 1982, 2, 347-359.	0.6	77
27	Fast Monte-Carlo algorithms for finding low-rank approximations. , 0, , .		77
28	Avoiding a giant component. <i>Random Structures and Algorithms</i> , 2001, 19, 75-85.	0.6	76
29	Algorithmic theory of random graphs. <i>Random Structures and Algorithms</i> , 1997, 10, 5-42.	0.6	73
30	Maximum matchings in sparse random graphs: Karp's Sipser revisited. <i>Random Structures and Algorithms</i> , 1998, 12, 111-177.	0.6	72
31	How many random edges make a dense graph hamiltonian?. <i>Random Structures and Algorithms</i> , 2003, 22, 33-42.	0.6	70
32	The regularity lemma and approximation schemes for dense problems. , 0, , .		67
33	A Geometric Preferential Attachment Model of Networks. <i>Internet Mathematics</i> , 2006, 3, 187-205.	0.7	65
34	Random Deletion in a Scale-Free Random Graph Process. <i>Internet Mathematics</i> , 2004, 1, 463-483.	0.7	64
35	On the independence and chromatic numbers of random regular graphs. <i>Journal of Combinatorial Theory Series B</i> , 1992, 54, 123-132.	0.6	63
36	The Size of the Largest Strongly Connected Component of a Random Digraph with a Given Degree Sequence. <i>Combinatorics Probability and Computing</i> , 2004, 13, 319-337.	0.8	63

#	ARTICLE	IF	CITATIONS
37	Random k -Sat: A Tight Threshold For Moderately Growing k . <i>Combinatorica</i> , 2005, 25, 297-305.	0.6	62
38	Multiple Random Walks in Random Regular Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2010, 23, 1738-1761.	0.4	62
39	Multicoloured Hamilton Cycles. <i>Electronic Journal of Combinatorics</i> , 1995, 2, .	0.2	59
40	The Cover Time of Random Regular Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2005, 18, 728-740.	0.4	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.	3.3	57
42	Existence and Construction of Edge-Disjoint Paths on Expander Graphs. <i>SIAM Journal on Computing</i> , 1994, 23, 976-989.	0.8	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.	1.6	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.	0.6	56
45	On the Lagarias-Odlyzko Algorithm for the Subset Sum Problem. <i>SIAM Journal on Computing</i> , 1986, 15, 536-539.	0.8	53
46	Probabilistic Analysis of a Relaxation for the k -Median Problem. <i>Mathematics of Operations Research</i> , 1988, 13, 1-31.	0.8	52
47	The cover time of the preferential attachment graph. <i>Journal of Combinatorial Theory Series B</i> , 2007, 97, 269-290.	0.6	51
48	On two Hamilton cycle problems in random graphs. <i>Israel Journal of Mathematics</i> , 2008, 166, 221-234.	0.4	51
49	The Probability of Unique Solutions of Sequencing by Hybridization. <i>Journal of Computational Biology</i> , 1994, 1, 105-110.	0.8	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.	0.6	50
52	A Polynomial-Time Algorithm for Learning Noisy Linear Threshold Functions. <i>Algorithmica</i> , 1998, 22, 35-52.	1.0	48
53	Random walks, totally unimodular matrices, and a randomised dual simplex algorithm. <i>Mathematical Programming</i> , 1994, 64, 1-16.	1.6	45
54	Sampling from Log-Concave Distributions. <i>Annals of Applied Probability</i> , 1994, 4, .	0.6	45

#	ARTICLE	IF	CITATIONS
55	The cover time of sparse random graphs. <i>Random Structures and Algorithms</i> , 2007, 30, 1-16.	0.6	44
56	On random minimum length spanning trees. <i>Combinatorica</i> , 1989, 9, 363-374.	0.6	43
57	A randomized algorithm for fixed-dimensional linear programming. <i>Mathematical Programming</i> , 1989, 44, 203-212.	1.6	42
58	On packing Hamilton cycles in G . <i>Journal of Graph Theory</i> , 1991, 4, 1-16. <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-cite/dtd"</small>	0.6	42
59	On the existence of Hamiltonian cycles in a class of random graphs. <i>Discrete Mathematics</i> , 1983, 45, 301-305.	0.4	40
60	Polychromatic Hamilton cycles. <i>Discrete Mathematics</i> , 1993, 118, 69-74.	0.4	40
61	Variations on cops and robbers. <i>Journal of Graph Theory</i> , 2012, 69, 383-402.	0.5	40
62	On linear programs with random costs. <i>Mathematical Programming</i> , 1986, 35, 3-16.	1.6	39
63	A Mildly Exponential Time Algorithm for Approximating the Number of Solutions to a Multidimensional Knapsack Problem. <i>Combinatorics Probability and Computing</i> , 1993, 2, 271-284.	0.8	39
64	Randomly coloring sparse random graphs with fewer colors than the maximum degree. <i>Random Structures and Algorithms</i> , 2006, 29, 450-465.	0.6	39
65	Adding random edges to dense graphs. <i>Random Structures and Algorithms</i> , 2004, 24, 105-117.	0.6	38
66	Randomized greedy matching. <i>Random Structures and Algorithms</i> , 1991, 2, 29-45.	0.6	37
67	Generating and Counting Hamilton Cycles in Random Regular Graphs. <i>Journal of Algorithms</i> , 1996, 21, 176-198.	0.9	37
68	A General Model of Undirected Web Graphs. <i>Lecture Notes in Computer Science</i> , 2001, , 500-511.	1.0	36
69	On large matchings and cycles in sparse random graphs. <i>Discrete Mathematics</i> , 1986, 59, 243-256.	0.4	35
70	An algorithm for finding hamilton cycles in random directed graphs. <i>Journal of Algorithms</i> , 1988, 9, 181-204.	0.9	35
71	Polynomial time randomized approximation schemes for Tutte-Gröthendieck invariants: The dense case. <i>Random Structures and Algorithms</i> , 1995, 6, 459-478.	0.6	35
72	Randomized greedy matching. II. <i>Random Structures and Algorithms</i> , 1995, 6, 55-73.	0.6	34

#	ARTICLE	IF	CITATIONS
73	Codes identifying sets of vertices in random networks. <i>Discrete Mathematics</i> , 2007, 307, 1094-1107.	0.4	34
74	Maximum matchings in random bipartite graphs and the space utilization of Cuckoo Hash tables. <i>Random Structures and Algorithms</i> , 2012, 41, 334-364.	0.6	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. <i>Combinatorics Probability and Computing</i> , 1996, 5, 1-14.	0.8	33
77	Random Minimum Length Spanning Trees in Regular Graphs. <i>Combinatorica</i> , 1998, 18, 311-333.	0.6	33
78	Optimal Construction of Edge-Disjoint Paths in Random Graphs. <i>SIAM Journal on Computing</i> , 1998, 28, 541-573.	0.8	33
79	Random Regular Graphs of Non-Constant Degree: Connectivity and Hamiltonicity. <i>Combinatorics Probability and Computing</i> , 2002, 11, 249-261.	0.8	33
80	Finding hamilton cycles in sparse random graphs. <i>Journal of Combinatorial Theory Series B</i> , 1988, 44, 230-250.	0.6	32
81	Approximately Counting Hamilton Paths and Cycles in Dense Graphs. <i>SIAM Journal on Computing</i> , 1998, 27, 1262-1272.	0.8	32
82	Optimal Reconstruction of a Sequence from its Probes. <i>Journal of Computational Biology</i> , 1999, 6, 361-368.	0.8	32
83	On the chromatic number of a random hypergraph. <i>Journal of Combinatorial Theory Series B</i> , 2015, 113, 68-122.	0.6	32
84	Probabilistic analysis of a parallel algorithm for finding maximal independent sets. <i>Random Structures and Algorithms</i> , 1990, 1, 39-50.	0.6	31
85	Edge-Disjoint Paths in Expander Graphs. <i>SIAM Journal on Computing</i> , 2001, 30, 1790-1801.	0.8	31
86	The cover time of the giant component of a random graph. <i>Random Structures and Algorithms</i> , 2008, 32, 401-439.	0.6	31
87	Probabilistic Analysis of the Multidimensional Knapsack Problem. <i>Mathematics of Operations Research</i> , 1989, 14, 162-176.	0.8	30
88	Mixing properties of the Swendsen-Wang process on classes of graphs. <i>Random Structures and Algorithms</i> , 1999, 15, 242-261.	0.6	30
89	Random graph orders. <i>Order</i> , 1989, 6, 19-30.	0.3	29
90	Loose Hamilton Cycles in Random 3-Uniform Hypergraphs. <i>Electronic Journal of Combinatorics</i> , 2010, 17, .	0.2	29

#	ARTICLE	IF	CITATIONS
91	Tight Hamilton cycles in random uniform hypergraphs. <i>Random Structures and Algorithms</i> , 2013, 42, 374-385.	0.6	27
92	Static and Dynamic Path Selection on Expander Graphs: A Random Walk Approach. <i>Random Structures and Algorithms</i> , 1999, 14, 87-109.	0.6	26
93	A Geometric Preferential Attachment Model of Networks II. <i>Internet Mathematics</i> , 2007, 4, 87-111.	0.7	26
94	Log-Sobolev inequalities and sampling from log-concave distributions. <i>Annals of Applied Probability</i> , 1999, 9, .	0.6	25
95	Loose Hamilton Cycles in Random Uniform Hypergraphs. <i>Electronic Journal of Combinatorics</i> , 2011, 18, .	0.2	25
96	Maximum matchings in a class of random graphs. <i>Journal of Combinatorial Theory Series B</i> , 1986, 40, 196-212.	0.6	24
97	On Random Symmetric Travelling Salesman Problems. <i>Mathematics of Operations Research</i> , 2004, 29, 878-890.	0.8	24
98	Random triangle removal. <i>Advances in Mathematics</i> , 2015, 280, 379-438.	0.5	23
99	Hamiltonian cycles in random regular graphs. <i>Journal of Combinatorial Theory Series B</i> , 1984, 37, 103-112.	0.6	22
100	An analysis of a Monte Carlo algorithm for estimating the permanent. <i>Combinatorica</i> , 1995, 15, 67-83.	0.6	22
101	The emergence of a giant component in random subgraphs of pseudo-random graphs. <i>Random Structures and Algorithms</i> , 2004, 24, 42-50.	0.6	21
102	Hamilton cycles in \mathbb{Z}_2^k . <i>Random Structures and Algorithms</i> , 2009, 35, 393-417.	0.6	21
103	Coloring simple hypergraphs. <i>Journal of Combinatorial Theory Series B</i> , 2013, 103, 767-794.	0.6	21
104	On the independence number of random cubic graphs. <i>Random Structures and Algorithms</i> , 1994, 5, 649-664.	0.6	20
105	Covering the edges of a random graph by cliques. <i>Combinatorica</i> , 1995, 15, 489-497.	0.6	20
106	Perfect matchings in random s-uniform hypergraphs. <i>Random Structures and Algorithms</i> , 1995, 7, 41-57.	0.6	20
107	On Markov Chains for Randomly H-Coloring a Graph. <i>Journal of Algorithms</i> , 2001, 39, 117-134.	0.9	20
108	Random Regular Graphs of Non-Constant Degree: Independence and Chromatic Number. <i>Combinatorics Probability and Computing</i> , 2002, 11, 323-341.	0.8	20

#	ARTICLE	IF	CITATIONS
109	Randomly Coloring Constant Degree Graphs. , 0, , .		20
110	Rainbow hamilton cycles in random graphs. Random Structures and Algorithms, 2014, 44, 328-354.	0.6	20
111	An extension of Christofides heuristic to the k-person travelling salesman problem. Discrete Applied Mathematics, 1983, 6, 79-83.	0.5	19
112	A probabilistic analysis of the next fit decreasing bin packing heuristic. Operations Research Letters, 1986, 5, 233-236.	0.5	19
113	Probabilistic analysis of the generalised assignment problem. Mathematical Programming, 1992, 55, 169-181.	1.6	19
114	Hamilton cycles in random graphs and directed graphs. Random Structures and Algorithms, 2000, 16, 369-401.	0.6	19
115	A probabilistic analysis of randomly generated binary constraint satisfaction problems. Theoretical Computer Science, 2003, 290, 1815-1828.	0.5	19
116	The satisfiability threshold for randomly generated binary constraint satisfaction problems. Random Structures and Algorithms, 2006, 28, 323-339.	0.6	19
117	Stationary distribution and cover time of random walks on random digraphs. Journal of Combinatorial Theory Series B, 2012, 102, 329-362.	0.6	19
118	Randomly coloring constant degree graphs. Random Structures and Algorithms, 2013, 43, 181-200.	0.6	19
119	On the Length of a Random Minimum Spanning Tree. Combinatorics Probability and Computing, 2016, 25, 89-107.	0.8	19
120	Hamilton Cycles in Random Regular Digraphs. Combinatorics Probability and Computing, 1994, 3, 39-49.	0.8	18
121	Mixing properties of the Swendsen-Wang process on the complete graph and narrow grids. Journal of Mathematical Physics, 2000, 41, 1499-1527.	0.5	18
122	Multi-Coloured Hamilton Cycles in Random Edge-Coloured Graphs. Combinatorics Probability and Computing, 2002, 11, 129-133.	0.8	18
123	On the random 2-stage minimum spanning tree. Random Structures and Algorithms, 2006, 28, 24-36.	0.6	18
124	Finding a maximum matching in a sparse random graph in $O(n)$ expected time. Journal of the ACM, 2010, 57, 1-27.	1.8	18
125	Packing hamilton cycles in random and pseudo-random hypergraphs. Random Structures and Algorithms, 2012, 41, 1-22.	0.6	18
126	Analysis of heuristics for finding a maximum weight planar subgraph. European Journal of Operational Research, 1985, 20, 102-114.	3.5	17

#	ARTICLE	IF	CITATIONS
127	Learning linear transformations. , 0, , .		17
128	Greedy Algorithms for the Shortest Common Superstring That Are Asymptotically Optimal. <i>Algorithmica</i> , 1998, 21, 21-36.	1.0	17
129	On the power of universal bases in sequencing by hybridization. , 1999, , .		17
130	Line-of-Sight Networks. <i>Combinatorics Probability and Computing</i> , 2009, 18, 145-163.	0.8	17
131	An Efficient Sparse Regularity Concept. <i>SIAM Journal on Discrete Mathematics</i> , 2010, 23, 2000-2034.	0.4	17
132	An Analysis of Random-Walk Cuckoo Hashing. <i>SIAM Journal on Computing</i> , 2011, 40, 291-308.	0.8	17
133	Packing tight Hamilton cycles in ϵ -uniform hypergraphs. <i>Random Structures and Algorithms</i> , 2012, 40, 269-300.	0.6	17
134	Multiple Random Walks and Interacting Particle Systems. <i>Lecture Notes in Computer Science</i> , 2009, , 399-410.	1.0	17
135	Algorithms for assignment problems on an array processor. <i>Parallel Computing</i> , 1989, 11, 151-162.	1.3	16
136	Coloring H -free hypergraphs. <i>Random Structures and Algorithms</i> , 2010, 36, 11-25.	0.6	16
137	A Simple Algorithm for Constructing Szemerédi's Regularity Partition. <i>Electronic Journal of Combinatorics</i> , 1999, 6, .	0.2	16
138	Shortest path algorithms for knapsack type problems. <i>Mathematical Programming</i> , 1976, 11, 150-157.	1.6	15
139	A partitioning algorithm for minimum weighted Euclidean matching. <i>Information Processing Letters</i> , 1984, 18, 59-62.	0.4	15
140	Counting the Number of Hamilton Cycles in Random Digraphs. <i>Random Structures and Algorithms</i> , 1992, 3, 235-241.	0.6	15
141	Hamilton cycles in random subgraphs of pseudo-random graphs. <i>Discrete Mathematics</i> , 2002, 256, 137-150.	0.4	15
142	Karp's Sipser on Random Graphs with a Fixed Degree Sequence. <i>Combinatorics Probability and Computing</i> , 2011, 20, 721-741.	0.8	15
143	Cover time of a random graph with given degree sequence. <i>Discrete Mathematics</i> , 2012, 312, 3146-3163.	0.4	15
144	Rainbow matchings and Hamilton cycles in random graphs. <i>Random Structures and Algorithms</i> , 2016, 48, 503-523.	0.6	15

#	ARTICLE	IF	CITATIONS
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, .	0.2	15
147	Optimal Divisibility Conditions for Loose Hamilton Cycles in Random Hypergraphs. Electronic Journal of Combinatorics, 2012, 19, .	0.2	15
148	Large holes in sparse random graphs. Combinatorica, 1987, 7, 265-274.	0.6	14
149	Large induced trees in sparse random graphs. Journal of Combinatorial Theory Series B, 1987, 42, 181-195.	0.6	14
150	Parallel algorithms for finding Hamilton cycles in random graphs. Information Processing Letters, 1987, 25, 111-117.	0.4	14
151	On the number of hamilton cycles in a random graph. Journal of Graph Theory, 1989, 13, 719-735.	0.5	14
152	A new integer programming formulation for the permutation flowshop problem. European Journal of Operational Research, 1989, 40, 90-98.	3.5	14
153	Finding hidden hamiltonian cycles. Random Structures and Algorithms, 1994, 5, 395-410.	0.6	14
154	The game chromatic number of random graphs. Random Structures and Algorithms, 2008, 32, 223-235.	0.6	14
155	The cover time of random geometric graphs. Random Structures and Algorithms, 2011, 38, 324-349.	0.6	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.	0.4	14
158	Hamilton Cycles in a Class of Random Directed Graphs. Journal of Combinatorial Theory Series B, 1994, 62, 151-163.	0.6	13
159	Broadcasting in random graphs. Discrete Applied Mathematics, 1994, 54, 77-79.	0.5	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.	0.4	13

#	ARTICLE	IF	CITATIONS
163	Ramsey games with giants. <i>Random Structures and Algorithms</i> , 2011, 38, 1-32.	0.6	13
164	On patching algorithms for random asymmetric travelling salesman problems. <i>Mathematical Programming</i> , 1990, 46, 361-378.	1.6	12
165	The worst-case running time of the random simplex algorithm is exponential in the height. <i>Information Processing Letters</i> , 1995, 56, 79-81.	0.4	12
166	Splitting an Expander Graph. <i>Journal of Algorithms</i> , 1999, 33, 166-172.	0.9	12
167	Optimal Sequencing by Hybridization in Rounds. <i>Journal of Computational Biology</i> , 2002, 9, 355-369.	0.8	12
168	Adversarial Deletion in a Scale-Free Random Graph Process. <i>Combinatorics Probability and Computing</i> , 2007, 16, 261.	0.8	12
169	The diameter of randomly perturbed digraphs and some applications. <i>Random Structures and Algorithms</i> , 2007, 30, 484-504.	0.6	12
170	When Is the Assignment Bound Tight for the Asymmetric Traveling-Salesman Problem?. <i>SIAM Journal on Computing</i> , 1995, 24, 484-493.	0.8	11
171	Optimal Construction of Edge-Disjoint Paths in Random Regular Graphs. <i>Combinatorics Probability and Computing</i> , 2000, 9, 241-263.	0.8	11
172	Random 2-SAT with Prescribed Literal Degrees. <i>Algorithmica</i> , 2007, 48, 249-265.	1.0	11
173	Approximate counting of regular hypergraphs. <i>Information Processing Letters</i> , 2013, 113, 785-788.	0.4	11
174	On Certain Properties of Random Apollonian Networks. <i>Lecture Notes in Computer Science</i> , 2012, , 93-112.	1.0	11
175	On smoothed k -CNF formulas and the Walksat algorithm. , 2009, , .		11
176	Partitioning heuristics for two geometric maximization problems. <i>Operations Research Letters</i> , 1984, 3, 267-270.	0.5	10
177	Packing Tight Hamilton Cycles in Uniform Hypergraphs. <i>SIAM Journal on Discrete Mathematics</i> , 2012, 26, 435-451.	0.4	10
178	The cover times of random walks on random uniform hypergraphs. <i>Theoretical Computer Science</i> , 2013, 509, 51-69.	0.5	10
179	Disjoint Paths in Expander Graphs via Random Walks: a Short Survey. <i>Lecture Notes in Computer Science</i> , 1998, , 1-14.	1.0	10
180	Probabilistic Analysis of an Algorithm in the Theory of Markets in Indivisible Goods. <i>Annals of Applied Probability</i> , 1995, 5, .	0.6	10

#	ARTICLE	IF	CITATIONS
181	On the Number of Perfect Matchings and Hamilton Cycles in ϵ -Regular Non-bipartite Graphs. <i>Electronic Journal of Combinatorics</i> , 2000, 7, .	0.2	10
182	On the random construction of heaps. <i>Information Processing Letters</i> , 1988, 27, 103-109.	0.4	9
183	On the Connectivity of Random k -th Nearest Neighbour Graphs. <i>Combinatorics Probability and Computing</i> , 1995, 4, 343-362.	0.8	9
184	On the Non-Planarity of a Random Subgraph. <i>Combinatorics Probability and Computing</i> , 2013, 22, 722-732.	0.8	9
185	Embedding the Erdős-Rényi hypergraph into the random regular hypergraph and Hamiltonicity. <i>Journal of Combinatorial Theory Series B</i> , 2017, 122, 719-740.	0.6	9
186	A note on the localization number of random graphs: Diameter two case. <i>Discrete Applied Mathematics</i> , 2019, 254, 107-112.	0.5	9
187	High Degree Vertices and Eigenvalues in the Preferential Attachment Graph. <i>Lecture Notes in Computer Science</i> , 2003, , 264-274.	1.0	9
188	A note on the random greedy triangle-packing algorithm. <i>Electronic Journal of Combinatorics</i> , 2010, 1, 477-488.	0.1	9
189	On the problem of approximating the number of bases of a matroid. <i>Information Processing Letters</i> , 1994, 50, 9-11.	0.4	8
190	Average-case complexity of shortest-paths problems in the vertex-potential model. <i>Random Structures and Algorithms</i> , 2000, 16, 33-46.	0.6	8
191	A general approach to dynamic packet routing with bounded buffers. <i>Journal of the ACM</i> , 2001, 48, 324-349.	1.8	8
192	On the b -Independence Number of Sparse Random Graphs. <i>Combinatorics Probability and Computing</i> , 2004, 13, 295-309.	0.8	8
193	The Game of JumbleG. <i>Combinatorics Probability and Computing</i> , 2005, 14, 783.	0.8	8
194	On the Chromatic Number of Random Graphs with a Fixed Degree Sequence. <i>Combinatorics Probability and Computing</i> , 2007, 16, 733.	0.8	8
195	Anti-Ramsey properties of random graphs. <i>Journal of Combinatorial Theory Series B</i> , 2010, 100, 299-312.	0.6	8
196	Cops and Robbers on Geometric Graphs. <i>Combinatorics Probability and Computing</i> , 2012, 21, 816-834.	0.8	8
197	The height of random k -trees and related branching processes. <i>Random Structures and Algorithms</i> , 2014, 45, 675-702.	0.6	8
198	A scaling limit for the length of the longest cycle in a sparse random graph. <i>Journal of Combinatorial Theory Series B</i> , 2021, 148, 184-208.	0.6	8

#	ARTICLE	IF	CITATIONS
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, .	0.2	8
202	On the Exact Solution of Random Travelling Salesman Problems with Medium Size Integer Coefficients. SIAM Journal on Computing, 1987, 16, 1052-1072.	0.8	7
203	On an optimization problem with nested constraints. Discrete Applied Mathematics, 1990, 26, 159-173.	0.5	7
204	Greedy Matching on the Line. SIAM Journal on Computing, 1990, 19, 666-672.	0.8	7
205	On Subgraph Sizes in Random Graphs. Combinatorics Probability and Computing, 1992, 1, 123-134.	0.8	7
206	Balanced allocations for tree-like inputs. Information Processing Letters, 1995, 55, 329-332.	0.4	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.	0.4	7
209	Hamilton cycles in random lifts of graphs. European Journal of Combinatorics, 2006, 27, 1282-1293.	0.5	7
210	The Probabilistic Relationship Between the Assignment and Asymmetric Traveling Salesman Problems. SIAM Journal on Computing, 2007, 36, 1435-1452.	0.8	7
211	Hypergraphs with independent neighborhoods. Combinatorica, 2010, 30, 277-293.	0.6	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.	0.6	7
213	Analyzing Walksat on Random Formulas. SIAM Journal on Computing, 2014, 43, 1456-1485.	0.8	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.	0.6	7
215	Looking for vertex number one. Annals of Applied Probability, 2017, 27, .	0.6	7
216	Elegantly Colored Paths and Cycles in Edge Colored Random Graphs. SIAM Journal on Discrete Mathematics, 2018, 32, 1585-1618.	0.4	7

#	ARTICLE	IF	CITATIONS
217	On randomly colouring locally sparse graphs. Discrete Mathematics and Theoretical Computer Science, 0, Vol. 8, .	0.1	7
218	Bottleneck Linear Programming. Operational Research Quarterly, 1975, 26, 871.	0.1	6
219	Minimum Paths in Directed Graphs. Operational Research Quarterly, 1977, 28, 339.	0.1	6
220	Probabilistic analysis of some euclidean clustering problems. Discrete Applied Mathematics, 1980, 2, 295-309.	0.5	6
221	Multicolored trees in random graphs. Random Structures and Algorithms, 1994, 5, 45-56.	0.6	6
222	Static and dynamic path selection on expander graphs (preliminary version). , 1997, , .		6
223	Perfect matchings in random bipartite graphs with minimal degree at least 2. Random Structures and Algorithms, 2005, 26, 319-358.	0.6	6
224	Randomly coloring simple hypergraphs. Information Processing Letters, 2011, 111, 848-853.	0.4	6
225	On a greedy 2â€œmatching algorithm and Hamilton cycles in random graphs with minimum degree at least three. Random Structures and Algorithms, 2014, 45, 443-497.	0.6	6
226	Walker-Breaker Games. SIAM Journal on Discrete Mathematics, 2015, 29, 1476-1485.	0.4	6
227	How many randomly colored edges make a randomly colored dense graph rainbow Hamiltonian or rainbow connected?. Journal of Graph Theory, 2019, 92, 405-414.	0.5	6
228	Perfect matchings and Hamiltonian cycles in the preferential attachment model. Random Structures and Algorithms, 2019, 54, 258-288.	0.6	6
229	Multicoloured Hamilton cycles in random graphs; an anti-Ramsey threshold. Electronic Journal of Combinatorics, 1995, 2, .	0.2	6
230	An algorithm for algebraic assignment problems. Discrete Applied Mathematics, 1979, 1, 253-259.	0.5	5
231	Near-perfect token distribution. Random Structures and Algorithms, 1994, 5, 559-572.	0.6	5
232	Analysis of a Simple Greedy Matching Algorithm on Random Cubic Graphs. Combinatorics Probability and Computing, 1995, 4, 47-66.	0.8	5
233	Average-Case Analysis of the Merging Algorithm of Hwang and Lin. Algorithmica, 1998, 22, 483-489.	1.0	5
234	G-Intersecting Families. Combinatorics Probability and Computing, 2001, 10, 367-384.	0.8	5

#	ARTICLE	IF	CITATIONS
235	Hamilton cycles in the union of random permutations. <i>Random Structures and Algorithms</i> , 2001, 18, 83-94.	0.6	5
236	Almost universal graphs. <i>Random Structures and Algorithms</i> , 2006, 28, 499-510.	0.6	5
237	The Influence of Search Engines on Preferential Attachment. <i>Internet Mathematics</i> , 2006, 3, 361-381.	0.7	5
238	Randomly coloring random graphs. <i>Random Structures and Algorithms</i> , 2010, 36, 251-272.	0.6	5
239	On the Game Chromatic Number of Sparse Random Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2013, 27, 768-790.	0.4	5
240	The t-Tone Chromatic Number of Random Graphs. <i>Graphs and Combinatorics</i> , 2014, 30, 1073-1086.	0.2	5
241	Expanders via Random Spanning Trees. <i>SIAM Journal on Computing</i> , 2014, 43, 497-513.	0.8	5
242	Efficient algorithms for three-dimensional axial and planar random assignment problems. <i>Random Structures and Algorithms</i> , 2015, 46, 160-196.	0.6	5
243	Rainbow Arborescence in Random Digraphs. <i>Journal of Graph Theory</i> , 2016, 83, 251-265.	0.5	5
244	Randomly coloring simple hypergraphs with fewer colors. <i>Information Processing Letters</i> , 2017, 126, 39-42.	0.4	5
245	Perfect Matchings in Random Graphs with Prescribed Minimal Degree. , 2004, , 95-132.		5
246	The Satisfiability Threshold for Randomly Generated Binary Constraint Satisfaction Problems. <i>Lecture Notes in Computer Science</i> , 2003, , 275-289.	1.0	5
247	Probabilistic Analysis of Algorithms. <i>Algorithms and Combinatorics</i> , 1998, , 36-92.	0.6	5
248	Algebraic Linear Programming. <i>Mathematics of Operations Research</i> , 1982, 7, 172-182.	0.8	4
249	The limiting probability that $\hat{1}$ -in, $\hat{1}$ -out is strongly connected. <i>Journal of Combinatorial Theory Series B</i> , 1990, 48, 117-134.	0.6	4
250	On Perfect Matchings and Hamilton Cycles in Sums of Random Trees. <i>SIAM Journal on Discrete Mathematics</i> , 1999, 12, 208-216.	0.4	4
251	Addendum to "avoiding a giant component?". <i>Random Structures and Algorithms</i> , 2002, 20, 126-130.	0.6	4
252	On the average case performance of some greedy approximation algorithms for the uncapacitated facility location problem. , 2005, , .		4

#	ARTICLE	IF	CITATIONS
253	Hamilton Cycles in Random Lifts of Directed Graphs. SIAM Journal on Discrete Mathematics, 2008, 22, 520-540.	0.4	4
254	Memoryless Rules for Achlioptas Processes. SIAM Journal on Discrete Mathematics, 2009, 23, 993-1008.	0.4	4
255	Hamilton Cycles in Random Graphs with a Fixed Degree Sequence. SIAM Journal on Discrete Mathematics, 2010, 24, 558-569.	0.4	4
256	Maker-breaker games on random geometric graphs. Random Structures and Algorithms, 2014, 45, 553-607.	0.6	4
257	Cover time of a random graph with a degree sequence II: Allowing vertices of degree two. Random Structures and Algorithms, 2014, 45, 627-674.	0.6	4
258	Long Paths in Random Apollonian Networks. Internet Mathematics, 2015, 11, 308-318.	0.7	4
259	Loose Hamilton Cycles in Regular Hypergraphs. Combinatorics Probability and Computing, 2015, 24, 179-194.	0.8	4
260	On random k -out subgraphs of large graphs. Random Structures and Algorithms, 2017, 50, 143-157.	0.6	4
261	Pattern Colored Hamilton Cycles in Random Graphs. SIAM Journal on Discrete Mathematics, 2019, 33, 528-545.	0.4	4
262	Algorithmic theory of random graphs. Random Structures and Algorithms, 1997, 10, 5-42.	0.6	4
263	The Cover Times of Random Walks on Hypergraphs. Lecture Notes in Computer Science, 2011, , 210-221.	1.0	4
264	On Randomly Generated Intersecting Hypergraphs. Electronic Journal of Combinatorics, 2003, 10, .	0.2	4
265	The Diameter of Randomly Perturbed Digraphs and Some Applications. Lecture Notes in Computer Science, 2004, , 345-356.	1.0	4
266	Random Walks on Random Graphs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 95-106.	0.2	4
267	Edge-colouring random graphs. Journal of Combinatorial Theory Series B, 1988, 45, 135-149.	0.6	3
268	On the Best Case of Heapsort. Journal of Algorithms, 1996, 20, 205-217.	0.9	3
269	Randomly generated intersecting hypergraphs II. Random Structures and Algorithms, 2007, 30, 17-34.	0.6	3
270	On Edge-Disjoint Spanning Trees in a Randomly Weighted Complete Graph. Combinatorics Probability and Computing, 2018, 27, 228-244.	0.8	3

#	ARTICLE	IF	CITATIONS
271	Discordant Voting Processes on Finite Graphs. SIAM Journal on Discrete Mathematics, 2018, 32, 2398-2420.	0.4	3
272	Traveling in randomly embedded random graphs. Random Structures and Algorithms, 2019, 55, 649-676.	0.6	3
273	Hamilton cycles in random graphs with minimum degree at least 3: An improved analysis. Random Structures and Algorithms, 2020, 57, 865-878.	0.6	3
274	Shortest paths with a cost constraint: A probabilistic analysis. Discrete Applied Mathematics, 2021, 302, 46-53.	0.5	3
275	Power of k Choices and Rainbow Spanning Trees in Random Graphs. Electronic Journal of Combinatorics, 2015, 22, .	0.2	3
276	Degree Distribution for Duplication-Divergence Graphs: Large Deviations. Lecture Notes in Computer Science, 2020, , 226-237.	1.0	3
277	Localization game for random graphs. Discrete Applied Mathematics, 2022, 309, 202-214.	0.5	3
278	Dynamic packet routing on arrays with bounded buffers. Lecture Notes in Computer Science, 1998, , 273-281.	1.0	2
279	Arc-disjoint paths in expander digraphs. , 2001, , .		2
280	On the Average Case Performance of Some Greedy Approximation Algorithms For the Uncapacitated Facility Location Problem. Combinatorics Probability and Computing, 2007, 16, 713.	0.8	2
281	First-Order Definability of Trees and Sparse Random Graphs. Combinatorics Probability and Computing, 2007, 16, 375.	0.8	2
282	Game chromatic index of graphs with given restrictions on degrees. Theoretical Computer Science, 2008, 407, 242-249.	0.5	2
283	Logconcave random graphs. , 2008, , .		2
284	Component structure of the vacant set induced by a random walk on a random graph.. , 2011, , .		2
285	Minimum Cost Matching in a Random Graph with Random Costs. SIAM Journal on Discrete Mathematics, 2017, 31, 489-510.	0.4	2
286	On the insertion time of random walk cuckoo hashing. , 2017, , .		2
287	A note on dispersing particles on a line. Random Structures and Algorithms, 2018, 53, 586-591.	0.6	2
288	A scaling limit for the length of the longest cycle in a sparse random digraph. Random Structures and Algorithms, 0, , .	0.6	2

#	ARTICLE	IF	CITATIONS
289	The Effect of Adding Randomly Weighted Edges. SIAM Journal on Discrete Mathematics, 2021, 35, 1182-1200.	0.4	2
290	Static and Dynamic Path Selection on Expander Graphs: A Random Walk Approach. , 1999, 14, 87.		2
291	Mixing properties of the Swendsen-Wang process on classes of graphs. Random Structures and Algorithms, 1999, 15, 242-261.	0.6	2
292	The Cover Time of Random Digraphs. Lecture Notes in Computer Science, 2007, , 422-435.	1.0	2
293	Average-Case Analyses of Vickrey Costs. Lecture Notes in Computer Science, 2009, , 434-447.	1.0	2
294	Separating populations with wide data: A spectral analysis. Electronic Journal of Statistics, 2009, 3, .	0.4	2
295	A Randomly Weighted Minimum Arborescence with a Random Cost Constraint. Mathematics of Operations Research, 2022, 47, 1664-1680.	0.8	2
296	Partitioning random graphs into large cycles. Discrete Mathematics, 1988, 70, 149-158.	0.4	1
297	On the expected performance of a parallel algorithm for finding maximal independent subsets of a random graph. Random Structures and Algorithms, 1992, 3, 215-221.	0.6	1
298	Ordering Clone Libraries in Computational Biology. Journal of Computational Biology, 1995, 2, 207-218.	0.8	1
299	Vertex Covers by Edge Disjoint Cliques. Combinatorica, 2001, 21, 171-197.	0.6	1
300	Arc-Disjoint Paths in Expander Digraphs. SIAM Journal on Computing, 2003, 32, 326-344.	0.8	1
301	Random Walks with Look-Ahead in Scale-Free Random Graphs. SIAM Journal on Discrete Mathematics, 2010, 24, 1162-1176.	0.4	1
302	Flips in Graphs. SIAM Journal on Discrete Mathematics, 2010, 24, 1046-1055.	0.4	1
303	Packing tight Hamilton cycles in 3-uniform hypergraphs. , 2011, , .		1
304	Separating subadditive euclidean functionals. , 2016, , .		1
305	Vacant Sets and Vacant Nets: Component Structures Induced by a Random Walk. SIAM Journal on Discrete Mathematics, 2016, 30, 166-205.	0.4	1
306	On the trace of random walks on random graphs. Proceedings of the London Mathematical Society, 2018, 116, 847-877.	0.6	1

#	ARTICLE	IF	CITATIONS
307	Packing Hamilton Cycles Online. <i>Combinatorics Probability and Computing</i> , 2018, 27, 475-495.	0.8	1
308	On random multi-dimensional assignment problems. <i>Discrete Applied Mathematics</i> , 2020, 287, 1-9.	0.5	1
309	On the connectivity of proper colorings of random graphs and hypergraphs. <i>Random Structures and Algorithms</i> , 2020, 56, 988-997.	0.6	1
310	Isomorphism for random k-uniform hypergraphs. <i>Information Processing Letters</i> , 2021, 166, 106039.	0.4	1
311	Probabilistic analysis of algorithms for cost constrained minimum weighted combinatorial objects. <i>Operations Research Letters</i> , 2021, 49, 400-404.	0.5	1
312	The Topology of Competitively Constructed Graphs. <i>Electronic Journal of Combinatorics</i> , 2014, 21, .	0.2	1
313	On a sparse random graph with minimum degree three: Likely \mathcal{P}^3 sa sets are large. <i>Electronic Journal of Combinatorics</i> , 2013, 4, 123-156.	0.1	1
314	Correction: Sampling from Log-Concave Distributions. <i>Annals of Applied Probability</i> , 1994, 4, .	0.6	1
315	A Note on Randomly Colored Matchings in Random Bipartite Graphs. <i>Springer Optimization and Its Applications</i> , 2020, , 199-205.	0.6	1
316	Spanners in randomly weighted graphs: Independent edge lengths. <i>Discrete Applied Mathematics</i> , 2022, 309, 68-74.	0.5	1
317	On Bottleneck Linear Programming. <i>Operational Research Quarterly</i> , 1977, 28, 597.	0.1	0
318	A Partitioned Inverse in Linear Programming. <i>Journal of the Operational Research Society</i> , 1978, 29, 383.	2.1	0
319	Linear and combinatorial optimization in ordered algebraic structures. <i>European Journal of Operational Research</i> , 1982, 10, 118.	3.5	0
320	Survival time of a random graph. <i>Combinatorica</i> , 1989, 9, 133-143.	0.6	0
321	Occupancy problems and random algebras. <i>Discrete Mathematics</i> , 1991, 87, 1-8.	0.4	0
322	Special Section on the Forty-Second Annual ACM Symposium on Theory of Computing (STOC 2010). <i>SIAM Journal on Computing</i> , 2013, 42, 1216-1217.	0.8	0
323	Separating subadditive euclidean functionals. <i>Random Structures and Algorithms</i> , 2017, 51, 375-403.	0.6	0
324	Online purchasing under uncertainty. <i>Random Structures and Algorithms</i> , 2018, 53, 327-351.	0.6	0

#	ARTICLE	IF	CITATIONS
325	Balanced allocation through random walk. Information Processing Letters, 2018, 131, 39-43.	0.4	0
326	A greedy algorithm for finding a large 2-ε-matching on a random cubic graph. Journal of Graph Theory, 2018, 88, 449-481.	0.5	0
327	On the Cover Time of Dense Graphs. SIAM Journal on Discrete Mathematics, 2019, 33, 1374-1389.	0.4	0
328	Minors of a random binary matroid. Random Structures and Algorithms, 2019, 55, 865-880.	0.6	0
329	On the insertion time of random walk cuckoo hashing. Random Structures and Algorithms, 2019, 54, 721-729.	0.6	0
330	Random Graphs with a Fixed Maximum Degree. SIAM Journal on Discrete Mathematics, 2020, 34, 53-61.	0.4	0
331	Finding maximum matchings in random regular graphs in linear expected time. Random Structures and Algorithms, 2021, 58, 390-429.	0.6	0
332	Maker Breaker on digraphs. Journal of Graph Theory, 2021, 98, 653.	0.5	0
333	The Concentration of the Maximum Degree in the Duplication-Divergence Models. Lecture Notes in Computer Science, 2021, , 413-424.	1.0	0
334	Random graphs. , 2006, , .		0
335	The Probabilistic Method. Discrete Mathematics and Its Applications, 2013, , 1026-1037.	0.1	0
336	Packing Tree Factors in Random and Pseudo-Random Graphs. Electronic Journal of Combinatorics, 2014, 21, .	0.2	0
337	On-Line List Colouring of Random Graphs. Trends in Mathematics, 2017, , 47-53.	0.1	0
338	The Game Chromatic Number of a Random Hypergraph. Springer Optimization and Its Applications, 2020, , 153-175.	0.6	0
339	Giant descendant trees, matchings, and independent sets in age-biased attachment graphs. Journal of Applied Probability, 0, , 1-26.	0.4	0