

Thomas Bohman

List of Publications by Year in descending order

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56
papers

963
citations

567281

15
h-index

477307

29
g-index

56
all docs

56
docs citations

56
times ranked

397
citing authors

#	ARTICLE	IF	CITATIONS
1	The early evolution of the H-free process. <i>Inventiones Mathematicae</i> , 2010, 181, 291-336.	2.5	104
2	The triangle-free process. <i>Advances in Mathematics</i> , 2009, 221, 1653-1677.	1.1	93
3	Avoiding a giant component. <i>Random Structures and Algorithms</i> , 2001, 19, 75-85.	1.1	76
4	How many random edges make a dense graph hamiltonian?. <i>Random Structures and Algorithms</i> , 2003, 22, 33-42.	1.1	70
5	On the irregularity strength of trees. <i>Journal of Graph Theory</i> , 2004, 45, 241-254.	0.9	58
6	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
7	Creating a Giant Component. <i>Combinatorics Probability and Computing</i> , 2006, 15, 489.	1.3	42
8	Adding random edges to dense graphs. <i>Random Structures and Algorithms</i> , 2004, 24, 105-117.	1.1	38
9	Erdős-Rado in Random Hypergraphs. <i>Combinatorics Probability and Computing</i> , 2009, 18, 629-646.	1.3	24
10	Random triangle removal. <i>Advances in Mathematics</i> , 2015, 280, 379-438.	1.1	23
11	SIR epidemics on random graphs with a fixed degree sequence. <i>Random Structures and Algorithms</i> , 2012, 41, 179-214.	1.1	22
12	A sum packing problem of Erdős and the Conway-Guy sequence. <i>Proceedings of the American Mathematical Society</i> , 1996, 124, 3627-3636.	0.8	22
13	Hamilton cycles in \mathcal{H}_n . <i>Random Structures and Algorithms</i> , 2009, 35, 393-417.	1.1	21
14	Emergence of Connectivity in Networks. <i>Science</i> , 2009, 323, 1438-1439.	12.6	20
15	Large girth approximate Steiner triple systems. <i>Journal of the London Mathematical Society</i> , 2019, 100, 895-913.	1.0	17
16	Dynamic concentration of the triangle-free process. , 2013, , 489-495.		17
17	Coloring H-free hypergraphs. <i>Random Structures and Algorithms</i> , 2010, 36, 11-25.	1.1	16
18	A limit theorem for the Shannon capacities of odd cycles I. <i>Proceedings of the American Mathematical Society</i> , 2003, 131, 3559-3569.	0.8	16

#	ARTICLE	IF	CITATIONS
19	Karp&Sipser on Random Graphs with a Fixed Degree Sequence. <i>Combinatorics Probability and Computing</i> , 2011, 20, 721-741.	1.3	15
20	A nontrivial lower bound on the shannon capacities of the complements of odd cycles. <i>IEEE Transactions on Information Theory</i> , 2003, 49, 721-722.	2.4	14
21	A phase transition for avoiding a giant component. <i>Random Structures and Algorithms</i> , 2006, 28, 195-214.	1.1	14
22	The game chromatic number of random graphs. <i>Random Structures and Algorithms</i> , 2008, 32, 223-235.	1.1	14
23	On a list coloring conjecture of Reed. <i>Journal of Graph Theory</i> , 2002, 41, 106-109.	0.9	13
24	Product rule wins a competitive game. <i>Proceedings of the American Mathematical Society</i> , 2007, 135, 3061-3071.	0.8	13
25	Ramsey games with giants. <i>Random Structures and Algorithms</i> , 2011, 38, 1-32.	1.1	13
26	On partitions of discrete boxes. <i>Discrete Mathematics</i> , 2002, 257, 255-258.	0.7	12
27	A note on the random greedy independent set algorithm. <i>Random Structures and Algorithms</i> , 2016, 49, 479-502.	1.1	11
28	Dynamic concentration of the triangle&free process. <i>Random Structures and Algorithms</i> , 2021, 58, 221-293.	1.1	11
29	A limit theorem for the Shannon capacities of odd cycles. II. <i>Proceedings of the American Mathematical Society</i> , 2005, 133, 537-543.	0.8	9
30	The saturation function of complete partite graphs. <i>Electronic Journal of Combinatorics</i> , 2010, 1, 149-170.	0.1	9
31	Random threshold growth dynamics. <i>Random Structures and Algorithms</i> , 1999, 15, 93-111.	1.1	8
32	Anti-Ramsey properties of random graphs. <i>Journal of Combinatorial Theory Series B</i> , 2010, 100, 299-312.	1.0	8
33	Hypergraphs with independent neighborhoods. <i>Combinatorica</i> , 2010, 30, 277-293.	1.2	7
34	More on the Bipartite Decomposition of Random Graphs. <i>Journal of Graph Theory</i> , 2017, 84, 45-52.	0.9	7
35	Discrete threshold growth dynamics are omnivorous for box neighborhoods. <i>Transactions of the American Mathematical Society</i> , 1999, 351, 947-983.	0.9	7
36	G-Intersecting Families. <i>Combinatorics Probability and Computing</i> , 2001, 10, 367-384.	1.3	5

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37	Addendum to ?avoiding a giant component?. Random Structures and Algorithms, 2002, 20, 126-130.	1.1	4
38	Memoryless Rules for Achlioptas Processes. SIAM Journal on Discrete Mathematics, 2009, 23, 993-1008.	0.8	4
39	On Randomly Generated Intersecting Hypergraphs. Electronic Journal of Combinatorics, 2003, 10, .	0.4	4
40	Linear Versus Hereditary Discrepancy*. Combinatorica, 2004, 25, 39-47.	1.2	3
41	Randomly generated intersecting hypergraphs II. Random Structures and Algorithms, 2007, 30, 17-34.	1.1	3
42	The independent neighborhoods process. Israel Journal of Mathematics, 2016, 214, 333-357.	0.8	3
43	Arc-disjoint paths in expander digraphs. , 2001, , .		2
44	A note on G-intersecting families. Discrete Mathematics, 2003, 260, 183-188.	0.7	2
45	First-Order Definability of Trees and Sparse Random Graphs. Combinatorics Probability and Computing, 2007, 16, 375.	1.3	2
46	Game chromatic index of graphs with given restrictions on degrees. Theoretical Computer Science, 2008, 407, 242-249.	0.9	2
47	A natural barrier in random greedy hypergraph matching. Combinatorics Probability and Computing, 2019, 28, 816-825.	1.3	2
48	Shannon capacity of large odd cycles. , 0, , .		1
49	Vertex Covers by Edge Disjoint Cliques. Combinatorica, 2001, 21, 171-197.	1.2	1
50	Arc-Disjoint Paths in Expander Digraphs. SIAM Journal on Computing, 2003, 32, 326-344.	1.0	1
51	Flips in Graphs. SIAM Journal on Discrete Mathematics, 2010, 24, 1046-1055.	0.8	1
52	Random threshold growth dynamics. Random Structures and Algorithms, 1999, 15, 93-111.	1.1	1
53	Independent sets in hypergraphs omitting an intersection. Random Structures and Algorithms, 2022, 61, 493-519.	1.1	1
54	Coprime mappings and lonely runners. Mathematika, 2022, 68, 784-804.	0.5	1

#	ARTICLE	IF	CITATIONS
55	TurÅin Densities of Some Hypergraphs Related to K_{k+1}^k . SIAM Journal on Discrete Mathematics, 2012, 26, 1609-1617.	0.8	0
56	A greedy algorithm for finding a large 2â€ matching on a random cubic graph. Journal of Graph Theory, 2018, 88, 449-481.	0.9	0