

Bruce Reed

List of Publications by Year in descending order

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29
papers

1,844
citations

623734

14
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	The Size of the Giant Component of a Random Graph with a Given Degree Sequence. <i>Combinatorics Probability and Computing</i> , 1998, 7, 295-305.	1.3	600
2	Finding odd cycle transversals. <i>Operations Research Letters</i> , 2004, 32, 299-301.	0.7	321
3	Acyclic coloring of graphs. <i>Random Structures and Algorithms</i> , 1991, 2, 277-288.	1.1	187
4	A Bound on the Strong Chromatic Index of a Graph. <i>Journal of Combinatorial Theory Series B</i> , 1997, 69, 103-109.	1.0	118
5	Paths, Stars and the Number Three. <i>Combinatorics Probability and Computing</i> , 1996, 5, 277-295.	1.3	117
6	The disjoint paths problem in quadratic time. <i>Journal of Combinatorial Theory Series B</i> , 2012, 102, 424-435.	1.0	112
7	Star coloring of graphs. <i>Journal of Graph Theory</i> , 2004, 47, 163-182.	0.9	73
8	AN IMPROVED ALGORITHM FOR FINDING TREE DECOMPOSITIONS OF SMALL WIDTH. <i>International Journal of Foundations of Computer Science</i> , 2000, 11, 365-371.	1.1	50
9	A Strengthening of Brooks' Theorem. <i>Journal of Combinatorial Theory Series B</i> , 1999, 76, 136-149.	1.0	47
10	On Star Coloring of Graphs. <i>Lecture Notes in Computer Science</i> , 2001, , 140-153.	1.3	26
11	On the Maximum Degree of a Random Planar Graph. <i>Combinatorics Probability and Computing</i> , 2008, 17, 591-601.	1.3	23
12	Rooted routing in the plane. <i>Discrete Applied Mathematics</i> , 1995, 57, 213-227.	0.9	22
13	Planar graph bipartization in linear time. <i>Discrete Applied Mathematics</i> , 2008, 156, 1175-1180.	0.9	19
14	Highly parity linked graphs. <i>Combinatorica</i> , 2009, 29, 215-225.	1.2	19
15	Forcing a sparse minor. <i>Combinatorics Probability and Computing</i> , 2016, 25, 300-322.	1.3	18
16	Approximate min-max relations for odd cycles in planar graphs. <i>Mathematical Programming</i> , 2007, 110, 71-91.	2.4	17
17	Concentration for self-bounding functions and an inequality of Talagrand. <i>Random Structures and Algorithms</i> , 2006, 29, 549-557.	1.1	15
18	Linear arboricity of random regular graphs. <i>Random Structures and Algorithms</i> , 1990, 1, 443-445.	1.1	13

#	ARTICLE	IF	CITATIONS
19	How to determine if a random graph with a fixed degree sequence has a giant component. Probability Theory and Related Fields, 2018, 170, 263-310.	1.8	11
20	A variant of the Erdős-Rényi's conjecture. Journal of Graph Theory, 2020, 94, 131-158.	0.9	8
21	Colouring graphs whose chromatic number is almost their maximum degree. Lecture Notes in Computer Science, 1998, , 216-225.	1.3	7
22	A general critical condition for the emergence of a giant component in random graphs with given degrees. Electronic Notes in Discrete Mathematics, 2009, 34, 639-645.	0.4	4
23	Asymptotics of the Chromatic Number for Quasi-Line Graphs. Journal of Graph Theory, 2013, 73, 327-341.	0.9	4
24	Planar graph bipartization in linear time. Electronic Notes in Discrete Mathematics, 2005, 19, 265-271.	0.4	3
25	For most graphs $\langle H \rangle$, most $\langle H \rangle$ -free graphs have a linear homogeneous set. Random Structures and Algorithms, 2014, 45, 343-361.	1.1	3
26	Almost All String Graphs are Intersection Graphs of Plane Convex Sets. Discrete and Computational Geometry, 2020, 63, 888-917.	0.6	3
27	Domination in Cubic Graphs of Large Girth. Lecture Notes in Computer Science, 2008, , 186-190.	1.3	3
28	A Linear-Time Algorithm for Finding a Complete Graph Minor in a Dense Graph. SIAM Journal on Discrete Mathematics, 2013, 27, 1770-1774.	0.8	1
29	k -Colouring when k is close to $\hat{\tau}$. Electronic Notes in Discrete Mathematics, 2000, 5, 235-238.	0.4	0