

Peter Winkler

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

1,714
citations

361045

20
h-index

301761

39
g-index

85
all docs

85
docs citations

85
times ranked

802
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertex-to-vertex pursuit in a graph. <i>Discrete Mathematics</i> , 1983, 43, 235-239.	0.4	389
2	Counting linear extensions. <i>Order</i> , 1991, 8, 225-242.	0.3	175
3	Collisions Among Random Walks on a Graph. <i>SIAM Journal on Discrete Mathematics</i> , 1993, 6, 363-374.	0.4	123
4	Counting linear extensions is #P-complete. , 1991, , .		86
5	Maximum hitting time for random walks on graphs. <i>Random Structures and Algorithms</i> , 1990, 1, 263-276.	0.6	84
6	Graph Homomorphisms and Phase Transitions. <i>Journal of Combinatorial Theory Series B</i> , 1999, 77, 221-262.	0.6	80
7	Monotone Gray codes and the middle levels problem. <i>Journal of Combinatorial Theory - Series A</i> , 1995, 70, 230-248.	0.5	58
8	Random orders. <i>Order</i> , 1985, 1, 317-331.	0.3	55
9	Gibbs Measures and Dismantlable Graphs. <i>Journal of Combinatorial Theory Series B</i> , 2000, 78, 141-166.	0.6	53
10	The longest chain among random points in Euclidean space. <i>Proceedings of the American Mathematical Society</i> , 1988, 103, 347-353.	0.4	47
11	Three Thresholds for a Liar. <i>Combinatorics Probability and Computing</i> , 1992, 1, 81-93.	0.8	47
12	On Playing Golf with Two Balls. <i>SIAM Journal on Discrete Mathematics</i> , 2003, 16, 604-615.	0.4	42
13	Bounding the vertex cover number of a hypergraph. <i>Combinatorica</i> , 1994, 14, 23-34.	0.6	31
14	Dependent percolation and colliding random walks. <i>Random Structures and Algorithms</i> , 2000, 16, 58-84.	0.6	30
15	Dominating sets in k -majority tournaments. <i>Journal of Combinatorial Theory Series B</i> , 2006, 96, 374-387.	0.6	28
16	Sphere orders. <i>Order</i> , 1989, 6, 235-240.	0.3	26
17	Can Extra Updates Delay Mixing?. <i>Communications in Mathematical Physics</i> , 2013, 323, 1007-1016.	1.0	26
18	Random orders of dimension 2. <i>Order</i> , 1991, 7, 329-339.	0.3	23

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19	Extremal cover times for random walks on trees. <i>Journal of Graph Theory</i> , 1990, 14, 547-554.	0.5	21
20	Building uniformly random subtrees. <i>Random Structures and Algorithms</i> , 2004, 24, 420-443.	0.6	21
21	THE ADVENT OF CRYPTOLOGY IN THE GAME OF BRIDGE. <i>Cryptologia</i> , 1983, 7, 327-332.	0.4	20
22	Fast information sharing in a complete network. <i>Discrete Applied Mathematics</i> , 1993, 42, 75-86.	0.5	20
23	Multiple cover time. <i>Random Structures and Algorithms</i> , 1996, 9, 403-411.	0.6	18
24	Mean distance in a tree. <i>Discrete Applied Mathematics</i> , 1990, 27, 179-185.	0.5	15
25	Random Structures and Zero-One Laws. , 1993, , 399-420.		14
26	Connectedness and diameter for random orders of fixed dimension. <i>Order</i> , 1985, 2, 165-171.	0.3	13
27	A second threshold for the hard-core model on a Bethe lattice. <i>Random Structures and Algorithms</i> , 2004, 24, 303-314.	0.6	13
28	Permutations with fixed pattern densities. <i>Random Structures and Algorithms</i> , 2020, 56, 220-250.	0.6	13
29	Fluid-Solid Transition in a Hard-Core System. <i>Physical Review Letters</i> , 2006, 96, 025701.	2.9	11
30	Maximum Overhang. <i>American Mathematical Monthly</i> , 2009, 116, 763-787.	0.2	11
31	Packing random intervals. <i>Probability Theory and Related Fields</i> , 1995, 102, 105-121.	0.9	10
32	Firefighting on a random geometric graph. <i>Random Structures and Algorithms</i> , 2015, 46, 466-477.	0.6	7
33	A counterexample in the theory of random orders. <i>Order</i> , 1989, 5, 363-368.	0.3	6
34	Branched Polymers. <i>American Mathematical Monthly</i> , 2009, 116, 612-628.	0.2	6
35	Impeding forgers at photo inception. <i>Proceedings of SPIE</i> , 2013, , .	0.8	6
36	Hunter, Cauchy rabbit, and optimal Kakeya sets. <i>Transactions of the American Mathematical Society</i> , 2014, 366, 5567-5586.	0.5	6

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37	The minimum Manhattan distance and minimum jump of permutations. <i>Journal of Combinatorial Theory - Series A</i> , 2019, 161, 364-386.	0.5	6
38	Branched Polymers. <i>American Mathematical Monthly</i> , 2009, 116, 612-628.	0.2	6
39	Submodular Percolation. <i>SIAM Journal on Discrete Mathematics</i> , 2009, 23, 1149-1178.	0.4	5
40	Cryptogenography. , 2014, , .		5
41	Puzzled: Rectangles galore. <i>Communications of the ACM</i> , 2010, 53, 112-112.	3.3	4
42	On the regular part of varieties of algebras. <i>Algebra Universalis</i> , 1986, 23, 77-84.	0.2	3
43	On a Form of Coordinate Percolation. <i>Combinatorics Probability and Computing</i> , 2008, 17, 837-845.	0.8	3
44	Avoidance Coupling. <i>Electronic Communications in Probability</i> , 2013, 18, .	0.1	3
45	On families of finite sets with bounds on unions and intersections. <i>Discrete Mathematics</i> , 1983, 45, 123-126.	0.4	2
46	Puzzled. <i>Communications of the ACM</i> , 2010, 53, 126-126.	3.3	2
47	Puzzled: Solutions and sources. <i>Communications of the ACM</i> , 2011, 54, 110-110.	3.3	2
48	Puzzled: Wins in a row. <i>Communications of the ACM</i> , 2013, 56, 96-96.	3.3	2
49	On the Isolation of a Common Secret. , 2013, , 21-38.		2
50	On the Isolation of a Common Secret. <i>Algorithms and Combinatorics</i> , 1997, , 121-135.	0.6	2
51	On the number of k -realizations of an ordered set. <i>Order</i> , 1990, 7, 267-273.	0.3	1
52	Optimality and Greed in Dynamic Allocation. <i>Journal of Algorithms</i> , 2001, 41, 244-261.	0.9	1
53	The phase transition for dyadic tilings. <i>Transactions of the American Mathematical Society</i> , 2014, 366, 1029-1046.	0.5	1
54	New Bounds for Edge-Cover by Random Walk. <i>Combinatorics Probability and Computing</i> , 2014, 23, 571-584.	0.8	1

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55	Mixing Times and Moving Targets. <i>Combinatorics Probability and Computing</i> , 2014, 23, 460-476.	0.8	1
56	Performance evaluation of fragmented structures: A theoretical study. <i>Performance Evaluation</i> , 2014, 79, 273-286.	0.9	1
57	Cop vs. Gambler. <i>Discrete Mathematics</i> , 2016, 339, 1677-1681.	0.4	1
58	The Sleeping Beauty Controversy. <i>American Mathematical Monthly</i> , 2017, 124, 579.	0.2	1
59	Mixing of Permutations by Biased Transpositions. <i>Theory of Computing Systems</i> , 2019, 63, 1068-1088.	0.7	1
60	PuzzledSolutions and sources. <i>Communications of the ACM</i> , 2009, 52, 103-103.	3.3	0
61	PuzzledSolutions and sources. <i>Communications of the ACM</i> , 2009, 52, 111-111.	3.3	0
62	Puzzled: Solutions and sources. <i>Communications of the ACM</i> , 2010, 53, 110-110.	3.3	0
63	Puzzled: Solutions and sources. <i>Communications of the ACM</i> , 2010, 53, 118-118.	3.3	0
64	Puzzled: Solutions and sources. <i>Communications of the ACM</i> , 2011, 54, 142-142.	3.3	0
65	Puzzled: Parsing partitions. <i>Communications of the ACM</i> , 2011, 54, 112-112.	3.3	0
66	Puzzled: Uncommon divisors. <i>Communications of the ACM</i> , 2011, 54, 120-120.	3.3	0
67	Puzzled: Solutions and sources. <i>Communications of the ACM</i> , 2011, 54, 109-109.	3.3	0
68	Puzzled: Solutions and sources. <i>Communications of the ACM</i> , 2011, 54, 126-126.	3.3	0
69	Two-Color Babylon. <i>Integers</i> , 2012, 12, .	0.3	0
70	Puzzled: Solutions and sources. <i>Communications of the ACM</i> , 2012, 55, 117-117.	3.3	0
71	Puzzled: Solutions and sources. <i>Communications of the ACM</i> , 2012, 55, 118-118.	3.3	0
72	Puzzled: Solutions and sources. <i>Communications of the ACM</i> , 2012, 55, 126-126.	3.3	0

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73	Puzzled: Solutions and sources. Communications of the ACM, 2012, 55, 133-133.	3.3	0
74	Puzzled: Where sets meet (Venn diagrams). Communications of the ACM, 2012, 55, 128-128.	3.3	0
75	Puzzled: Solutions and sources. Communications of the ACM, 2013, 56, 110-110.	3.3	0
76	Puzzled: Ant Alice's adventures. Communications of the ACM, 2013, 56, 104-104.	3.3	0
77	Puzzled: Solutions and sources. Communications of the ACM, 2013, 56, 117-117.	3.3	0
78	Puzzled: Solutions and sources. Communications of the ACM, 2013, 56, 102-102.	3.3	0
79	Puzzled: Solutions and sources. Communications of the ACM, 2014, 57, 102-102.	3.3	0
80	Biased Coin Puzzles. Mathematical Intelligencer, 2021, 43, 134-137.	0.1	0
81	An Ancient Combinatorial Problem. American Mathematical Monthly, 2022, 129, 566-575.	0.2	0