

William T Trotter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12052537/publications.pdf>

Version: 2024-02-01

74
papers

1,315
citations

361413
20
h-index

395702
33
g-index

74
all docs

74
docs citations

74
times ranked

297
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization problems for graphs, partially ordered sets, lattices, and families of sets. <i>Discrete Mathematics</i> , 1976, 16, 361-381.	0.7	134
2	Tolerance graphs. <i>Discrete Applied Mathematics</i> , 1984, 9, 157-170.	0.9	108
3	On double and multiple interval graphs. <i>Journal of Graph Theory</i> , 1979, 3, 205-211.	0.9	88
4	Dimension Theory for Ordered Sets. , 1982, , 171-211.		80
5	The dimension of planar posets. <i>Journal of Combinatorial Theory Series B</i> , 1977, 22, 54-67.	1.0	62
6	Triangle-free intersection graphs of line segments with large chromatic number. <i>Journal of Combinatorial Theory Series B</i> , 2014, 105, 6-10.	1.0	56
7	Dimension of the crown S_n . <i>Discrete Mathematics</i> , 1974, 8, 85-103.	0.7	42
8	On the complexity of posets. <i>Discrete Mathematics</i> , 1976, 16, 71-82.	0.7	38
9	Maximal dimensional partially ordered sets II. characterization of $2n$ -element posets with dimension n . <i>Discrete Mathematics</i> , 1973, 5, 33-43.	0.7	33
10	The Order Dimension of Convex Polytopes. <i>SIAM Journal on Discrete Mathematics</i> , 1993, 6, 230-245.	0.8	30
11	Inequalities in dimension theory for posets. <i>Proceedings of the American Mathematical Society</i> , 1975, 47, 311-316.	0.8	29
12	A characterization of robert's inequality for boxicity. <i>Discrete Mathematics</i> , 1979, 28, 303-313.	0.7	28
13	Embedding finite posets in cubes. <i>Discrete Mathematics</i> , 1975, 12, 165-172.	0.7	27
14	Threshold tolerance graphs. <i>Journal of Graph Theory</i> , 1988, 12, 343-362.	0.9	26
15	A theory of recursive dimension for ordered sets. <i>Order</i> , 1984, 1, 67-82.	0.5	25
16	Some theorems on graphs and posets. <i>Discrete Mathematics</i> , 1976, 15, 79-84.	0.7	23
17	Dimension and height for posets with planar cover graphs. <i>European Journal of Combinatorics</i> , 2014, 35, 474-489.	0.8	23
18	Tree-width and dimension. <i>Combinatorica</i> , 2016, 36, 431-450.	1.2	23

#	ARTICLE	IF	CITATIONS
19	Maximal dimensional partially ordered sets III: a characterization of Hiraguchi's inequality for interval dimension. <i>Discrete Mathematics</i> , 1976, 15, 389-400.	0.7	22
20	Dimension, Graph and Hypergraph Coloring. <i>Order</i> , 2000, 17, 167-177.	0.5	22
21	The Order Dimension of Planar Maps. <i>SIAM Journal on Discrete Mathematics</i> , 1997, 10, 515-528.	0.8	21
22	Irreducible posets with large height exist. <i>Journal of Combinatorial Theory - Series A</i> , 1974, 17, 337-344.	0.8	19
23	Triangle-Free Geometric Intersection Graphs with Large Chromatic Number. <i>Discrete and Computational Geometry</i> , 2013, 50, 714-726.	0.6	19
24	A Sperner theorem on unrelated chains of subsets. <i>Journal of Combinatorial Theory - Series A</i> , 1984, 36, 124-127.	0.8	18
25	Split semiorders. <i>Discrete Mathematics</i> , 1999, 195, 111-126.	0.7	18
26	Adjacency posets of planar graphs. <i>Discrete Mathematics</i> , 2010, 310, 1097-1104.	0.7	18
27	Colorings of diagrams of interval orders and \hat{I}_\pm -sequences of sets. <i>Discrete Mathematics</i> , 1995, 144, 23-31.	0.7	17
28	The interval number of a complete multipartite graph. <i>Discrete Applied Mathematics</i> , 1984, 8, 163-187.	0.9	16
29	The Dimension of Posets with Planar Cover Graphs. <i>Graphs and Combinatorics</i> , 2015, 31, 927-939.	0.4	16
30	Stacks and splits of partially ordered sets. <i>Discrete Mathematics</i> , 1981, 35, 229-256.	0.7	15
31	A forbidden subposet characterization of an order $\hat{\infty}$ dimension inequality. <i>Mathematical Systems Theory</i> , 1976, 10, 91-96.	0.5	14
32	Finite three dimensional partial orders which are not sphere orders. <i>Discrete Mathematics</i> , 1999, 201, 101-132.	0.7	14
33	The maximum number of edges in a graph of bounded dimension, with applications to ring theory. <i>Discrete Mathematics</i> , 1999, 201, 5-19.	0.7	13
34	A Note on Graph Pebbling. <i>Graphs and Combinatorics</i> , 2002, 18, 219-225.	0.4	13
35	On the Dimension of Posets with Cover Graphs of Treewidth 2. <i>Order</i> , 2017, 34, 185-234.	0.5	13
36	Posets and planar graphs. <i>Journal of Graph Theory</i> , 2005, 49, 273-284.	0.9	12

#	ARTICLE	IF	CITATIONS
37	On the fractional dimension of partially ordered sets. Discrete Mathematics, 1994, 136, 101-117.	0.7	11
38	Posets and VPG Graphs. Order, 2016, 33, 39-49.	0.5	11
39	On the poset of all posets on n elements. Discrete Applied Mathematics, 1994, 50, 111-123.	0.9	10
40	A generalization of Turán's theorem to directed graphs. Discrete Mathematics, 1980, 32, 167-189.	0.7	9
41	Ramsey Theory and Sequences of Random Variables. Combinatorics Probability and Computing, 1998, 7, 221-238.	1.3	8
42	Planar Posets, Dimension, Breadth and the Number of Minimal Elements. Order, 2016, 33, 333-346.	0.5	8
43	A combinatorial problem involving graphs and matrices. Discrete Mathematics, 1982, 39, 87-101.	0.7	6
44	On-Line Dimension for Posets Excluding Two Long Incomparable Chains. Order, 2013, 30, 1-12.	0.5	6
45	Boolean Dimension and Local Dimension. Electronic Notes in Discrete Mathematics, 2017, 61, 1047-1053.	0.4	6
46	Large minimal realizers of a partial order II. Discrete Mathematics, 1980, 31, 297-313.	0.7	5
47	The dimension of the Cartesian product of partial orders. Discrete Mathematics, 1985, 53, 255-263.	0.7	5
48	Forcing Posets with Large Dimension to Contain Large Standard Examples. Graphs and Combinatorics, 2016, 32, 861-880.	0.4	5
49	Dimension and Cut Vertices: An Application of Ramsey Theory. , 0, , 187-199.		5
50	Inequalities for the greedy dimensions of ordered sets. Order, 1985, 2, 145-164.	0.5	4
51	Posets with large dimension and relatively few critical pairs. Order, 1993, 10, 317-328.	0.5	4
52	On the size of maximal antichains and the number of pairwise disjoint maximal chains. Discrete Mathematics, 2010, 310, 2890-2894.	0.7	4
53	Dimension of posets with planar cover graphs excluding two long incomparable chains. Journal of Combinatorial Theory - Series A, 2019, 164, 1-23.	0.8	4
54	Comparing Dushnik-Miller Dimension, Boolean Dimension and Local Dimension. Order, 2020, 37, 243-269.	0.5	4

#	ARTICLE	IF	CITATIONS
55	A note on Dilworth's embedding theorem. Proceedings of the American Mathematical Society, 1975, 52, 33-39.	0.8	3
56	Hamiltonian Cycles and Symmetric Chains in Boolean Lattices. Graphs and Combinatorics, 2014, 30, 1565-1586.	0.4	3
57	Boolean Dimension, Components and Blocks. Order, 2020, 37, 287-298.	0.5	3
58	Order preserving embeddings of DAGs. Lecture Notes in Mathematics, 1978, , 572-579.	0.2	3
59	An extremal problem on crossing vectors. Journal of Combinatorial Theory - Series A, 2014, 128, 41-55.	0.8	2
60	Dimension and Matchings in Comparability and Incomparability Graphs. Order, 2016, 33, 101-119.	0.5	2
61	Separating tree-chromatic number from path-chromatic number. Journal of Combinatorial Theory Series B, 2019, 138, 206-218.	1.0	2
62	Applications of the Probabilistic Method to Partially Ordered Sets. Algorithms and Combinatorics, 1997, , 214-228.	0.6	2
63	A Note on Dilworth's Embedding Theorem. Proceedings of the American Mathematical Society, 1975, 52, 33.	0.8	1
64	Dimensions of Split Semiorders. Order, 1997, 14, 171-178.	0.5	1
65	Dimension and Height for Posets with Planar Cover Graphs. Electronic Notes in Discrete Mathematics, 2011, 38, 807-812.	0.4	1
66	Incidence Posets and Cover Graphs. Order, 2014, 31, 279-287.	0.5	1
67	The Graph of Critical Pairs of a Crown. Order, 2019, 36, 621-652.	0.5	1
68	Every t -Irreducible Partial Order is a Suborder of a $t + 1$ -Irreducible Partial Order. North-Holland Mathematics Studies, 1983, 75, 613-621.	0.2	0
69	Segment Orders. Discrete and Computational Geometry, 2010, 43, 680-704.	0.6	0
70	Trees and circle orders. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2017, 87, 445-454.	0.2	0
71	Burling graphs, chromatic number, and orthogonal tree-decompositions. Electronic Notes in Discrete Mathematics, 2017, 61, 415-420.	0.4	0
72	Planar Posets that are Accessible from Below Have Dimension at Most 6. Order, 2021, 38, 21-36.	0.5	0

#	ARTICLE	IF	CITATIONS
73	Fractional Local Dimension. Order, 2021, 38, 329-350.	0.5	0
74	Applications of the Probabilistic Method to Partially Ordered Sets. , 2013, , 313-329.		0