

# William T Trotter

## List of Publications by Year in descending order

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74  
papers

1,315  
citations

361413

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Planar Posets that are Accessible from Below Have Dimension at Most 6. Order, 2021, 38, 21-36.	0.5	0
2	Fractional Local Dimension. Order, 2021, 38, 329-350.	0.5	0
3	Boolean Dimension, Components and Blocks. Order, 2020, 37, 287-298.	0.5	3
4	Comparing Dushnik-Miller Dimension, Boolean Dimension and Local Dimension. Order, 2020, 37, 243-269.	0.5	4
5	The Graph of Critical Pairs of a Crown. Order, 2019, 36, 621-652.	0.5	1
6	Separating tree-chromatic number from path-chromatic number. Journal of Combinatorial Theory Series B, 2019, 138, 206-218.	1.0	2
7	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
8	Trees and circle orders. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2017, 87, 445-454.	0.2	0
9	Burling graphs, chromatic number, and orthogonal tree-decompositions. Electronic Notes in Discrete Mathematics, 2017, 61, 415-420.	0.4	0
10	Boolean Dimension and Local Dimension. Electronic Notes in Discrete Mathematics, 2017, 61, 1047-1053.	0.4	6
11	On the Dimension of Posets with Cover Graphs of Treewidth 2. Order, 2017, 34, 185-234.	0.5	13
12	Planar Posets, Dimension, Breadth and the Number of Minimal Elements. Order, 2016, 33, 333-346.	0.5	8
13	Forcing Posets with Large Dimension to Contain Large Standard Examples. Graphs and Combinatorics, 2016, 32, 861-880.	0.4	5
14	Tree-width and dimension. Combinatorica, 2016, 36, 431-450.	1.2	23
15	Dimension and Matchings in Comparability and Incomparability Graphs. Order, 2016, 33, 101-119.	0.5	2
16	Posets and VPG Graphs. Order, 2016, 33, 39-49.	0.5	11
17	The Dimension of Posets with Planar Cover Graphs. Graphs and Combinatorics, 2015, 31, 927-939.	0.4	16
18	Hamiltonian Cycles and Symmetric Chains in Boolean Lattices. Graphs and Combinatorics, 2014, 30, 1565-1586.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Dimension and height for posets with planar cover graphs. European Journal of Combinatorics, 2014, 35, 474-489.	0.8	23
20	Triangle-free intersection graphs of line segments with large chromatic number. Journal of Combinatorial Theory Series B, 2014, 105, 6-10.	1.0	56
21	An extremal problem on crossing vectors. Journal of Combinatorial Theory - Series A, 2014, 128, 41-55.	0.8	2
22	Incidence Posets and Cover Graphs. Order, 2014, 31, 279-287.	0.5	1
23	On-Line Dimension for Posets Excluding Two Long Incomparable Chains. Order, 2013, 30, 1-12.	0.5	6
24	Triangle-Free Geometric Intersection Graphs with Large Chromatic Number. Discrete and Computational Geometry, 2013, 50, 714-726.	0.6	19
25	Applications of the Probabilistic Method to Partially Ordered Sets. , 2013, , 313-329.		0
26	Dimension and Height for Posets with Planar Cover Graphs. Electronic Notes in Discrete Mathematics, 2011, 38, 807-812.	0.4	1
27	On the size of maximal antichains and the number of pairwise disjoint maximal chains. Discrete Mathematics, 2010, 310, 2890-2894.	0.7	4
28	Segment Orders. Discrete and Computational Geometry, 2010, 43, 680-704.	0.6	0
29	Adjacency posets of planar graphs. Discrete Mathematics, 2010, 310, 1097-1104.	0.7	18
30	Posets and planar graphs. Journal of Graph Theory, 2005, 49, 273-284.	0.9	12
31	A Note on Graph Pebbling. Graphs and Combinatorics, 2002, 18, 219-225.	0.4	13
32	Dimension, Graph and Hypergraph Coloring. Order, 2000, 17, 167-177.	0.5	22
33	Split semiorders. Discrete Mathematics, 1999, 195, 111-126.	0.7	18
34	The maximum number of edges in a graph of bounded dimension, with applications to ring theory. Discrete Mathematics, 1999, 201, 5-19.	0.7	13
35	Finite three dimensional partial orders which are not sphere orders. Discrete Mathematics, 1999, 201, 101-132.	0.7	14
36	Ramsey Theory and Sequences of Random Variables. Combinatorics Probability and Computing, 1998, 7, 221-238.	1.3	8

#	ARTICLE	IF	CITATIONS
37	The Order Dimension of Planar Maps. SIAM Journal on Discrete Mathematics, 1997, 10, 515-528.	0.8	21
38	Dimensions of Split Semiorders. Order, 1997, 14, 171-178.	0.5	1
39	Applications of the Probabilistic Method to Partially Ordered Sets. Algorithms and Combinatorics, 1997, , 214-228.	0.6	2
40	Colorings of diagrams of interval orders and $\hat{1}\pm$ -sequences of sets. Discrete Mathematics, 1995, 144, 23-31.	0.7	17
41	On the fractional dimension of partially ordered sets. Discrete Mathematics, 1994, 136, 101-117.	0.7	11
42	On the poset of all posets on n elements. Discrete Applied Mathematics, 1994, 50, 111-123.	0.9	10
43	Posets with large dimension and relatively few critical pairs. Order, 1993, 10, 317-328.	0.5	4
44	The Order Dimension of Convex Polytopes. SIAM Journal on Discrete Mathematics, 1993, 6, 230-245.	0.8	30
45	Threshold tolerance graphs. Journal of Graph Theory, 1988, 12, 343-362.	0.9	26
46	Inequalities for the greedy dimensions of ordered sets. Order, 1985, 2, 145-164.	0.5	4
47	The dimension of the Cartesian product of partial orders. Discrete Mathematics, 1985, 53, 255-263.	0.7	5
48	Tolerance graphs. Discrete Applied Mathematics, 1984, 9, 157-170.	0.9	108
49	The interval number of a complete multipartite graph. Discrete Applied Mathematics, 1984, 8, 163-187.	0.9	16
50	A Sperner theorem on unrelated chains of subsets. Journal of Combinatorial Theory - Series A, 1984, 36, 124-127.	0.8	18
51	A theory of recursive dimension for ordered sets. Order, 1984, 1, 67-82.	0.5	25
52	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
53	Dimension Theory for Ordered Sets. , 1982, , 171-211.		80
54	A combinatorial problem involving graphs and matrices. Discrete Mathematics, 1982, 39, 87-101.	0.7	6

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55	Stacks and splits of partially ordered sets. <i>Discrete Mathematics</i> , 1981, 35, 229-256.	0.7	15
56	Large minimal realizers of a partial order II. <i>Discrete Mathematics</i> , 1980, 31, 297-313.	0.7	5
57	A generalization of Tur�n's theorem to directed graphs. <i>Discrete Mathematics</i> , 1980, 32, 167-189.	0.7	9
58	On double and multiple interval graphs. <i>Journal of Graph Theory</i> , 1979, 3, 205-211.	0.9	88
59	A characterization of robert's inequality for boxicity. <i>Discrete Mathematics</i> , 1979, 28, 303-313.	0.7	28
60	Order preserving embeddings of aographs. <i>Lecture Notes in Mathematics</i> , 1978, , 572-579.	0.2	3
61	The dimension of planar posets. <i>Journal of Combinatorial Theory Series B</i> , 1977, 22, 54-67.	1.0	62
62	A forbidden subposet characterization of an order $\hat{\epsilon}$ dimension inequality. <i>Mathematical Systems Theory</i> , 1976, 10, 91-96.	0.5	14
63	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
64	On the complexity of posets. <i>Discrete Mathematics</i> , 1976, 16, 71-82.	0.7	38
65	Some theorems on graphs and posets. <i>Discrete Mathematics</i> , 1976, 15, 79-84.	0.7	23
66	Characterization problems for graphs, partially ordered sets, lattices, and families of sets. <i>Discrete Mathematics</i> , 1976, 16, 361-381.	0.7	134
67	Inequalities in dimension theory for posets. <i>Proceedings of the American Mathematical Society</i> , 1975, 47, 311-316.	0.8	29
68	Embedding finite posets in cubes. <i>Discrete Mathematics</i> , 1975, 12, 165-172.	0.7	27
69	A note on Dilworth's embedding theorem. <i>Proceedings of the American Mathematical Society</i> , 1975, 52, 33-39.	0.8	3
70	A Note on Dilworth's Embedding Theorem. <i>Proceedings of the American Mathematical Society</i> , 1975, 52, 33.	0.8	1
71	Dimension of the crown $S_{kn}$ . <i>Discrete Mathematics</i> , 1974, 8, 85-103.	0.7	42
72	Irreducible posets with large height exist. <i>Journal of Combinatorial Theory - Series A</i> , 1974, 17, 337-344.	0.8	19

#	ARTICLE	IF	CITATIONS
73	Maximal dimensional partially ordered sets II. characterization of $2n$ -element posets with dimension $n$ . Discrete Mathematics, 1973, 5, 33-43.	0.7	33
74	Dimension and Cut Vertices: An Application of Ramsey Theory. , 0, , 187-199.		5