

Martin Charles Golumbic

List of Publications by Year in descending order

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89
papers

3,039
citations

201385

27
h-index

182168

51
g-index

96
all docs

96
docs citations

96
times ranked

964
citing authors

#	ARTICLE	IF	CITATIONS
1	Perfect Graphs. , 1980, , 51-80.		191
2	ON THE CLIQUE-WIDTH OF SOME PERFECT GRAPH CLASSES. International Journal of Foundations of Computer Science, 2000, 11, 423-443.	0.8	171
3	Graph Sandwich Problems. Journal of Algorithms, 1995, 19, 449-473.	0.9	152
4	Perfect Elimination and Chordal Bipartite Graphs. Journal of Graph Theory, 1978, 2, 155-163.	0.5	146
5	Perfect graphs. Annals of Discrete Mathematics, 2004, , 51-80.	1.4	146
6	Complexity and algorithms for reasoning about time. Journal of the ACM, 1993, 40, 1108-1133.	1.8	143
7	Four Strikes Against Physical Mapping of DNA. Journal of Computational Biology, 1995, 2, 139-152.	0.8	141
8	Trapezoid graphs and their coloring. Discrete Applied Mathematics, 1988, 21, 35-46.	0.5	110
9	Tolerance graphs. Discrete Applied Mathematics, 1984, 9, 157-170.	0.5	108
10	Trivially perfect graphs. Discrete Mathematics, 1978, 24, 105-107.	0.4	104
11	New results on induced matchings. Discrete Applied Mathematics, 2000, 101, 157-165.	0.5	102
12	Comparability graphs and intersection graphs. Discrete Mathematics, 1983, 43, 37-46.	0.4	99
13	The edge intersection graphs of paths in a tree. Journal of Combinatorial Theory Series B, 1985, 38, 8-22.	0.6	99
14	The complexity of comparability graph recognition and coloring. Computing (Vienna/New York), 1977, 18, 199-208.	3.2	81
15	Not So Perfect Graphs. Annals of Discrete Mathematics, 2004, 57, 235-253.	1.4	81
16	Stability in circular arc graphs. Journal of Algorithms, 1988, 9, 314-320.	0.9	77
17	Irredundancy in circular arc graphs. Discrete Applied Mathematics, 1993, 44, 79-89.	0.5	74
18	Edge and vertex intersection of paths in a tree. Discrete Mathematics, 1985, 55, 151-159.	0.4	63

#	ARTICLE	IF	CITATIONS
19	Interval graphs and related topics. <i>Discrete Mathematics</i> , 1985, 55, 113-121.	0.4	58
20	Uniquely Restricted Matchings. <i>Algorithmica</i> , 2001, 31, 139-154.	1.0	56
21	Comparability graphs and a new matroid. <i>Journal of Combinatorial Theory Series B</i> , 1977, 22, 68-90.	0.6	52
22	Vertex Intersection Graphs of Paths on a Grid. <i>Journal of Graph Algorithms and Applications</i> , 2012, 16, 129-150.	0.4	50
23	Edge intersection graphs of single bend paths on a grid. <i>Networks</i> , 2009, 54, 130-138.	1.6	42
24	The inducibility of graphs. <i>Journal of Combinatorial Theory Series B</i> , 1975, 19, 189-203.	0.6	40
25	Instruction scheduling beyond basic blocks. <i>IBM Journal of Research and Development</i> , 1990, 34, 93-97.	3.2	39
26	On the number of vertices belonging to all maximum stable sets of a graph. <i>Discrete Applied Mathematics</i> , 2002, 124, 17-25.	0.5	35
27	Chordal probe graphs. <i>Discrete Applied Mathematics</i> , 2004, 143, 221-237.	0.5	31
28	Factoring and recognition of read-once functions using cographs and normality and the readability of functions associated with partial k-trees. <i>Discrete Applied Mathematics</i> , 2006, 154, 1465-1477.	0.5	31
29	An improvement on the complexity of factoring read-once Boolean functions. <i>Discrete Applied Mathematics</i> , 2008, 156, 1633-1636.	0.5	28
30	Factoring Boolean functions using graph partitioning. <i>Discrete Applied Mathematics</i> , 2005, 149, 131-153.	0.5	27
31	Containment Graphs, Posets, and Related Classes of Graphs. <i>Annals of the New York Academy of Sciences</i> , 1989, 555, 192-204.	1.8	26
32	Complexity and Algorithms for Graph and Hypergraph Sandwich Problems. <i>Graphs and Combinatorics</i> , 1998, 14, 223-239.	0.2	24
33	Generalized fibonacci maximum path graphs. <i>Discrete Mathematics</i> , 1979, 28, 237-245.	0.4	21
34	Optimization Algorithms for Student Scheduling via Constraint Satisfiability. <i>Computer Journal</i> , 1990, 33, 356-364.	1.5	20
35	Recognizing Chordal Probe Graphs and Cycle-Bicolorable Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2007, 21, 573-591.	0.4	20
36	Matrix sandwich problems. <i>Linear Algebra and Its Applications</i> , 1998, 277, 239-251.	0.4	19

#	ARTICLE	IF	CITATIONS
37	Representing edge intersection graphs of paths on degree 4 trees. <i>Discrete Mathematics</i> , 2008, 308, 1381-1387.	0.4	19
38	Algorithmic aspects of intersection graphs and representation hypergraphs. <i>Graphs and Combinatorics</i> , 1988, 4, 307-321.	0.2	14
39	Equivalences and the complete hierarchy of intersection graphs of paths in a tree. <i>Discrete Applied Mathematics</i> , 2008, 156, 3203-3215.	0.5	13
40	Approximation Algorithms for B 1-EPG Graphs. <i>Lecture Notes in Computer Science</i> , 2013, , 328-340.	1.0	13
41	The k -edge intersection graphs of paths in a tree. <i>Discrete Applied Mathematics</i> , 2008, 156, 451-461.	0.5	12
42	Characterizations of cographs as intersection graphs of paths on a grid. <i>Discrete Applied Mathematics</i> , 2014, 178, 46-57.	0.5	12
43	Posets and VPG Graphs. <i>Order</i> , 2016, 33, 39-49.	0.3	11
44	Coloring Algorithms for Tolerance Graphs: Reasoning and Scheduling with Interval Constraints. <i>Lecture Notes in Computer Science</i> , 2002, , 196-207.	1.0	10
45	Block duplicate graphs and a hierarchy of chordal graphs. <i>Discrete Applied Mathematics</i> , 2002, 124, 67-71.	0.5	10
46	A characterization of chain probe graphs. <i>Annals of Operations Research</i> , 2011, 188, 175-183.	2.6	9
47	Partitionable graphs, circle graphs, and the berge strong perfect graph conjecture. <i>Discrete Mathematics</i> , 1983, 44, 45-54.	0.4	8
48	Rank-tolerance graph classes. <i>Journal of Graph Theory</i> , 2006, 52, 317-340.	0.5	8
49	A note on perfect Gaussian elimination. <i>Journal of Mathematical Analysis and Applications</i> , 1978, 64, 455-457.	0.5	7
50	Algorithmic Aspects of Perfect Graphs. <i>North-Holland Mathematics Studies</i> , 1984, , 301-323.	0.2	7
51	Intersection models of weakly chordal graphs. <i>Discrete Applied Mathematics</i> , 2009, 157, 2031-2047.	0.5	7
52	The chain graph sandwich problem. <i>Annals of Operations Research</i> , 2011, 188, 133-139.	2.6	7
53	Interactive scheduling as a constraint satisfiability problem. <i>Annals of Mathematics and Artificial Intelligence</i> , 1990, 1, 49-73.	0.9	6
54	String graphs of k -bend paths on a grid. <i>Electronic Notes in Discrete Mathematics</i> , 2011, 37, 141-146.	0.4	6

#	ARTICLE	IF	CITATIONS
55	Separation Dimension of Graphs and Hypergraphs. <i>Algorithmica</i> , 2016, 75, 187-204.	1.0	6
56	Finding Intersection Models of Weakly Chordal Graphs. <i>Lecture Notes in Computer Science</i> , 2006, , 241-255.	1.0	6
57	A GENERALIZATION OF DIRACS THEOREM* ON TRIANGULATED GRAPHS. <i>Annals of the New York Academy of Sciences</i> , 1979, 319, 242-246.	1.8	5
58	A knowledge representation language for university requirements. <i>Decision Support Systems</i> , 1991, 7, 33-45.	3.5	5
59	Co-TT graphs and a characterization of split co-TT graphs. <i>Discrete Applied Mathematics</i> , 2014, 165, 168-174.	0.5	5
60	Archimedean τ -tolerance graphs. <i>Journal of Graph Theory</i> , 2002, 41, 179-194.	0.5	4
61	Read-Once Functions Revisited and the Readability Number of a Boolean Function. <i>Electronic Notes in Discrete Mathematics</i> , 2005, 22, 357-361.	0.4	4
62	On the bi-enhancement of chordal-bipartite probe graphs. <i>Information Processing Letters</i> , 2010, 110, 193-197.	0.4	4
63	Total coloring of rooted path graphs. <i>Information Processing Letters</i> , 2018, 135, 73-76.	0.4	4
64	The Induced Separation Dimension of a Graph. <i>Algorithmica</i> , 2018, 80, 2834-2848.	1.0	4
65	Comparability Graphs. , 1980, , 105-148.		4
66	Representations of Edge Intersection Graphs of Paths in a Tree. <i>Discrete Mathematics and Theoretical Computer Science</i> , 2005, DMTCS Proceedings vol. AE,,,,, .	0.1	4
67	A general method for avoiding cycling in a network. <i>Information Processing Letters</i> , 1987, 24, 251-253.	0.4	3
68	Counting endpoint sequences for interval orders and interval graphs. <i>Discrete Mathematics</i> , 1993, 114, 23-39.	0.4	3
69	Algorithmic Graph Theory and Its Applications. , 2005, , 41-62.		3
70	Single bend paths on a grid have strong helly number 4: <i>errata atque emendationes ad</i> $\hat{\alpha}$ œedge intersection graphs of single bend paths on a gridâ€œ. <i>Networks</i> , 2013, 62, 161-163.	1.6	3
71	Perspectives on Reasoning About Time. <i>Cognitive Technologies</i> , 2012, , 53-70.	0.5	2
72	Recent Results on The Strong Perfect Graph Conjecture. <i>North-Holland Mathematics Studies</i> , 1984, 87, 75-82.	0.2	1

#	ARTICLE	IF	CITATIONS
73	Interval graphs, interval orders and the consistency of temporal events (extended abstract). , 1992, , 32-42.		1
74	Comparability graphs. Annals of Discrete Mathematics, 2004, 57, 105-148.	1.4	1
75	A note from the Editor-in-Chief. Annals of Mathematics and Artificial Intelligence, 2016, 77, 1-2.	0.9	1
76	Edge-intersection graphs of boundary-generated paths in a grid. Discrete Applied Mathematics, 2018, 236, 214-222.	0.5	1
77	Hardness and approximation for L-EPC and B_1 graphs. Discrete Applied Mathematics. 2020. 281, 224-228.	0.5	1
78	Containment Graphs and Posets of Paths in a Tree: Wheels and Partial Wheels. Order, 2021, 38, 37-48.	0.3	1
79	Algorithms and complexity of sandwich problems in graphs (extended abstract). Lecture Notes in Computer Science, 1994, , 57-69.	1.0	1
80	Landmarks in Algorithmic Graph Theory: A Personal Retrospective. Lecture Notes in Computer Science, 2009, , 1-14.	1.0	1
81	Graph Theoretic Models for Reasoning About Time. Lecture Notes in Computer Science, 2004, , 352-362.	1.0	1
82	Tolerance Graphs. Discrete Mathematics and Its Applications, 2013, , 1105-1120.	0.1	1
83	Threshold graphs. Annals of Discrete Mathematics, 2004, , 219-234.	1.4	0
84	Perfect Gaussian Elimination. Annals of Discrete Mathematics, 2004, , 254-267.	1.4	0
85	On the complexity of cell flipping in permutation diagrams and multiprocessor scheduling problems. Discrete Mathematics, 2005, 296, 25-41.	0.4	0
86	Path-Bicolorable Graphs. Graphs and Combinatorics, 2011, 27, 799-819.	0.2	0
87	Tolerance intersection graphs of degree bounded subtrees of a tree with constant tolerance 2. Discrete Mathematics, 2017, 340, 209-222.	0.4	0
88	Perfect Gaussian Elimination. , 1980, , 254-267.		0
89	Threshold Graphs. , 1980, , 219-234.		0