Martin Charles Golumbic

List of Publications by Year
in descending order

89	3,039	201674 27	182427 51
papers	citations	h-index	g-index

96	96	96	964
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Containment Graphs and Posets of Paths in a Tree: Wheels and Partial Wheels. Order, 2021, 38, 37-48.	0.5	1
2	Hardness and approximation for L-EPG and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e132" altimg="si10.svg"><mml:msub><mml:mrow><mml:mi>B</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></m graphs. Discrete Applied Mathematics, 2020, 281, 224-228.	0.9	1
3	Edge-intersection graphs of boundary-generated paths in a grid. Discrete Applied Mathematics, 2018, 236, 214-222.	0.9	1
4	Total coloring of rooted path graphs. Information Processing Letters, 2018, 135, 73-76.	0.6	4
5	The Induced Separation Dimension of a Graph. Algorithmica, 2018, 80, 2834-2848.	1.3	4
6	Tolerance intersection graphs of degree bounded subtrees of a tree with constant tolerance 2. Discrete Mathematics, 2017, 340, 209-222.	0.7	0
7	A note from the Editor-in-Chief. Annals of Mathematics and Artificial Intelligence, 2016, 77, 1-2.	1.3	1
8	Separation Dimension of Graphs and Hypergraphs. Algorithmica, 2016, 75, 187-204.	1.3	6
9	Posets and VPG Graphs. Order, 2016, 33, 39-49.	0.5	11
10	Characterizations of cographs as intersection graphs of paths on a grid. Discrete Applied Mathematics, 2014, 178, 46-57.	0.9	12
11	Co-TT graphs and a characterization of split co-TT graphs. Discrete Applied Mathematics, 2014, 165, 168-174.	0.9	5
12	Single bend paths on a grid have strong helly number 4: errata atque emendationes ad â€œedge intersection graphs of single bend paths on a gridâ€• Networks, 2013, 62, 161-163.	2.7	3
13	Approximation Algorithms for B 1-EPG Graphs. Lecture Notes in Computer Science, 2013, , 328-340.	1.3	13
14	Tolerance Graphs. Discrete Mathematics and Its Applications, 2013, , 1105-1120.	0.1	1
15	Vertex Intersection Graphs of Paths on a Grid. Journal of Graph Algorithms and Applications, 2012, 16, 129-150.	0.4	50
16	Perspectives on Reasoning About Time. Cognitive Technologies, 2012, , 53-70.	0.8	2
17	A characterization of chain probe graphs. Annals of Operations Research, 2011, 188, 175-183.	4.1	9
18	The chain graph sandwich problem. Annals of Operations Research, 2011, 188, 133-139.	4.1	7

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19	Path-Bicolorable Graphs. Graphs and Combinatorics, 2011, 27, 799-819.	0.4	0
20	String graphs of k-bend paths on a grid. Electronic Notes in Discrete Mathematics, 2011, 37, 141-146.	0.4	6
21	On the bi-enhancement of chordal-bipartite probe graphs. Information Processing Letters, 2010, 110, 193-197.	0.6	4
22	Edge intersection graphs of single bend paths on a grid. Networks, 2009, 54, 130-138.	2.7	42
23	Intersection models of weakly chordal graphs. Discrete Applied Mathematics, 2009, 157, 2031-2047.	0.9	7
24	Landmarks in Algorithmic Graph Theory: A Personal Retrospective. Lecture Notes in Computer Science, 2009, , 1-14.	1.3	1
25	Equivalences and the complete hierarchy of intersection graphs of paths in a tree. Discrete Applied Mathematics, 2008, 156, 3203-3215.	0.9	13
26	Representing edge intersection graphs of paths on degree 4 trees. Discrete Mathematics, 2008, 308, 1381-1387.	0.7	19
27	The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si10.gif" overflow="scroll"><mml:mi>k</mml:mi></mml:math>-edge intersection graphs of paths in a tree. Discrete Applied Mathematics, 2008, 156, 451-461.	0.9	12
28	An improvement on the complexity of factoring read-once Boolean functions. Discrete Applied Mathematics, 2008, 156, 1633-1636.	0.9	28
29	Recognizing Chordal Probe Graphs and Cycle-Bicolorable Graphs. SIAM Journal on Discrete Mathematics, 2007, 21, 573-591.	0.8	20
30	Factoring and recognition of read-once functions using cographs and normality and the readability of functions associated with partial k-trees. Discrete Applied Mathematics, 2006, 154, 1465-1477.	0.9	31
31	Rank-tolerance graph classes. Journal of Graph Theory, 2006, 52, 317-340.	0.9	8
32	Finding Intersection Models of Weakly Chordal Graphs. Lecture Notes in Computer Science, 2006, , 241-255.	1.3	6
33	Read-Once Functions Revisited and the Readability Number of a Boolean Function. Electronic Notes in Discrete Mathematics, 2005, 22, 357-361.	0.4	4
34	On the complexity of cell flipping in permutation diagrams and multiprocessor scheduling problems. Discrete Mathematics, 2005, 296, 25-41.	0.7	0
35	Factoring Boolean functions using graph partitioning. Discrete Applied Mathematics, 2005, 149, 131-153.	0.9	27
36	Algorithmic Graph Theory and Its Applications. , 2005, , 41-62.		3

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37	Representations of Edge Intersection Graphs of Paths in a Tree. Discrete Mathematics and Theoretical Computer Science, 2005, DMTCS Proceedings vol. AE,..., .	0.1	4
38	Chordal probe graphs. Discrete Applied Mathematics, 2004, 143, 221-237.	0.9	31
39	Comparability graphs. Annals of Discrete Mathematics, 2004, 57, 105-148.	1.4	1
40	Not So Perfect Graphs. Annals of Discrete Mathematics, 2004, 57, 235-253.	1.4	81
41	Perfect graphs. Annals of Discrete Mathematics, 2004, , 51-80.	1.4	146
42	Threshold graphs. Annals of Discrete Mathematics, 2004, , 219-234.	1.4	0
43	Perfect Gaussian Elimination. Annals of Discrete Mathematics, 2004, , 254-267.	1.4	0
44	Graph Theoretic Models for Reasoning About Time. Lecture Notes in Computer Science, 2004, , 352-362.	1.3	1
45	Coloring Algorithms for Tolerance Graphs: Reasoning and Scheduling with Interval Constraints. Lecture Notes in Computer Science, 2002, , 196-207.	1.3	10
46	Archimedean ? -tolerance graphs. Journal of Graph Theory, 2002, 41, 179-194.	0.9	4
47	On the number of vertices belonging to all maximum stable sets of a graph. Discrete Applied Mathematics, 2002, 124, 17-25.	0.9	35
48	Block duplicate graphs and a hierarchy of chordal graphs. Discrete Applied Mathematics, 2002, 124, 67-71.	0.9	10
49	Uniquely Restricted Matchings. Algorithmica, 2001, 31, 139-154.	1.3	56
50	New results on induced matchings. Discrete Applied Mathematics, 2000, 101, 157-165.	0.9	102
51	ON THE CLIQUE-WIDTH OF SOME PERFECT GRAPH CLASSES. International Journal of Foundations of Computer Science, 2000, 11, 423-443.	1.1	171
52	Complexity and Algorithms for Graph and Hypergraph Sandwich Problems. Graphs and Combinatorics, 1998, 14, 223-239.	0.4	24
53	Matrix sandwich problems. Linear Algebra and Its Applications, 1998, 277, 239-251.	0.9	19
54	Graph Sandwich Problems. Journal of Algorithms, 1995, 19, 449-473.	0.9	152

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55	Four Strikes Against Physical Mapping of DNA. Journal of Computational Biology, 1995, 2, 139-152.	1.6	141
56	Algorithms and complexity of sandwich problems in graphs (extended abstract). Lecture Notes in Computer Science, 1994, , 57-69.	1.3	1
57	Irredundancy in circular arc graphs. Discrete Applied Mathematics, 1993, 44, 79-89.	0.9	74
58	Counting endpoint sequences for interval orders and interval graphs. Discrete Mathematics, 1993, 114, 23-39.	0.7	3
59	Complexity and algorithms for reasoning about time. Journal of the ACM, 1993, 40, 1108-1133.	2.2	143
60	Interval graphs, interval orders and the consistency of temporal events (extended abstract). , 1992, , 32-42.		1
61	A knowledge representation language for university requirements. Decision Support Systems, 1991, 7, 33-45.	5.9	5
62	Interactive scheduling as a constraint satisfiability problem. Annals of Mathematics and Artificial Intelligence, 1990, 1, 49-73.	1.3	6
63	Optimization Algorithms for Student Scheduling via Constraint Satisfiability. Computer Journal, 1990, 33, 356-364.	2.4	20
64	Instruction scheduling beyond basic blocks. IBM Journal of Research and Development, 1990, 34, 93-97.	3.1	39
65	Containment Graphs, Posets, and Related Classes of Graphs. Annals of the New York Academy of Sciences, 1989, 555, 192-204.	3.8	26
66	Algorithmic aspects of intersection graphs and representation hypergraphs. Graphs and Combinatorics, 1988, 4, 307-321.	0.4	14
67	Stability in circular arc graphs. Journal of Algorithms, 1988, 9, 314-320.	0.9	77
68	Trapezoid graphs and their coloring. Discrete Applied Mathematics, 1988, 21, 35-46.	0.9	110
69	A general method for avoiding cycling in a network. Information Processing Letters, 1987, 24, 251-253.	0.6	3
70	The edge intersection graphs of paths in a tree. Journal of Combinatorial Theory Series B, 1985, 38, 8-22.	1.0	99
71	Interval graphs and related topics. Discrete Mathematics, 1985, 55, 113-121.	0.7	58
72	Edge and vertex intersection of paths in a tree. Discrete Mathematics, 1985, 55, 151-159.	0.7	63

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73	Tolerance graphs. Discrete Applied Mathematics, 1984, 9, 157-170.	0.9	108
74	Recent Results on The Strong Perfect Graph Conjecture. North-Holland Mathematics Studies, 1984, 87, 75-82.	0.2	1
75	Algorithmic Aspects of Perfect Graphs. North-Holland Mathematics Studies, 1984, , 301-323.	0.2	7
76	Comparability graphs and intersection graphs. Discrete Mathematics, 1983, 43, 37-46.	0.7	99
77	Partitionable graphs, circle graphs, and the berge strong perfect graph conjecture. Discrete Mathematics, 1983, 44, 45-54.	0.7	8
78	Perfect Graphs. , 1980, , 51-80.		191
79	Comparability Graphs. , 1980, , 105-148.		4
80	Perfect Gaussian Elimination. , 1980, , 254-267.		0
81	Threshold Graphs. , 1980, , 219-234.		0
82	Generalized fibonacci maximum path graphs. Discrete Mathematics, 1979, 28, 237-245.	0.7	21
83	A GENERALIZATION OF DIRACS THEOREM* ON TRIANGULATED GRAPHS. Annals of the New York Academy of Sciences, 1979, 319, 242-246.	3.8	5
84	A note on perfect Gaussian elimination. Journal of Mathematical Analysis and Applications, 1978, 64, 455-457.	1.0	7
85	Trivially perfect graphs. Discrete Mathematics, 1978, 24, 105-107.	0.7	104
86	Perfect Elimination and Chordal Bipartite Graphs. Journal of Graph Theory, 1978, 2, 155-163.	0.9	146
87	Comparability graphs and a new matroid. Journal of Combinatorial Theory Series B, 1977, 22, 68-90.	1.0	52
88	The complexity of comparability graph recognition and coloring. Computing (Vienna/New York), 1977, 18, 199-208.	4.8	81
89	The inducibility of graphs. Journal of Combinatorial Theory Series B, 1975, 19, 189-203.	1.0	40