Martin MilaniÄ•

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6330396/publications.pdf

Version: 2024-02-01

94	924	566801 15	525886 27
papers	citations	h-index	g-index

97	97	97	375
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complexity and algorithms for constant diameter augmentation problems. Theoretical Computer Science, 2022, 904, 15-26.	0.5	2
2	Shifting paths to avoidable ones. Journal of Graph Theory, 2022, 100, 69-83.	0.5	3
3	Avoidable vertices and edges in graphs: Existence, characterization, and applications. Discrete Applied Mathematics, 2022, 309, 285-300.	0.5	0
4	Strong cliques in diamond-free graphs. Theoretical Computer Science, 2021, 858, 49-63.	0.5	3
5	Vertex Cover at Distance on H-Free Graphs. Lecture Notes in Computer Science, 2021, , 237-251.	1.0	0
6	Searching for square-complementary graphs: Complexity of recognition and further nonexistence results. Discrete Mathematics, 2021, 344, 112369.	0.4	0
7	Graphs with Two Moplexes. Procedia Computer Science, 2021, 195, 248-256.	1.2	0
8	Treewidth versus Clique Number. I. Graph Classes with a Forbidden Structure. SIAM Journal on Discrete Mathematics, 2021, 35, 2618-2646.	0.4	2
9	Bipartite graphs of small readability. Theoretical Computer Science, 2020, 806, 402-415.	0.5	0
10	Characterizing and decomposing classes of threshold, split, and bipartite graphs via 1â€Sperner hypergraphs. Journal of Graph Theory, 2020, 94, 364-397.	0.5	4
11	Mind the independence gap. Discrete Mathematics, 2020, 343, 111943.	0.4	0
12	Strong Cliques in Diamond-Free Graphs. Lecture Notes in Computer Science, 2020, , 261-273.	1.0	0
13	Avoidable Vertices and Edges in Graphs. Lecture Notes in Computer Science, 2019, , 126-139.	1.0	4
14	New algorithms for weighted k-domination and total k-domination problems in proper interval graphs. Theoretical Computer Science, 2019, 795, 128-141.	0.5	5
15	Detecting strong cliques. Discrete Mathematics, 2019, 342, 2738-2750.	0.4	3
16	A Characterization of Claw-free CIS Graphs and New Results on the Order of CIS Graphs. Electronic Notes in Theoretical Computer Science, 2019, 346, 15-27.	0.9	2
17	Weighted lambda superstrings applied to vaccine design. PLoS ONE, 2019, 14, e0211714.	1.1	9
18	A dichotomy for weighted efficient dominating sets with bounded degree vertices. Information Processing Letters, 2019, 142, 30-34.	0.4	0

#	Article	IF	Citations
19	Linear separation of connected dominating sets in graphs. Ars Mathematica Contemporanea, 2019, 16, 487-525.	0.3	5
20	Decomposing 1-Sperner Hypergraphs. Electronic Journal of Combinatorics, 2019, 26, .	0.2	2
21	Graphs vertex-partitionable into strong cliques. Discrete Mathematics, 2018, 341, 1392-1405.	0.4	6
22	1-perfectly orientable K4-minor-free and outerplanar graphs. Discrete Applied Mathematics, 2018, 248, 33-45.	0.5	4
23	A three-person deterministic graphical game without Nash equilibria. Discrete Applied Mathematics, 2018, 243, 21-38.	0.5	7
24	Stable Sets in {ISK4,wheel}-Free Graphs. Algorithmica, 2018, 80, 415-447.	1.0	0
25	Minimum connected transversals in graphs: New hardness results and tractable cases using the price of connectivity. Theoretical Computer Science, 2018, 705, 75-83.	0.5	16
26	Domination parameters with number <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml720" display="inline" overflow="scroll" altimg="si482.gif"><mml:mn>2</mml:mn></mml:math>: Interrelations and algorithmic consequences. Discrete Applied Mathematics, 2018, 235, 23-50.	0.5	14
27	xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif"><mml:mi>H</mml:mi></mml:math>-free and of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml2" display="inline" overflow="scroll"		

#	Article	IF	Citations
37	On Three Extensions of Equimatchable Graphs. Electronic Notes in Discrete Mathematics, 2016, 55, 177-180.	0.4	1
38	1-perfectly orientable K 4 -minor-free and outerplanar graphs. Electronic Notes in Discrete Mathematics, 2016, 54, 199-204.	0.4	1
39	On the readability of overlap digraphs. Discrete Applied Mathematics, 2016, 205, 35-44.	0.5	3
40	Equistarable bipartite graphs. Discrete Mathematics, 2016, 339, 1960-1969.	0.4	4
41	Strong cliques and equistability of EPT graphs. Discrete Applied Mathematics, 2016, 203, 13-25.	0.5	4
42	Graph classes with and without powers of bounded clique-width. Discrete Applied Mathematics, 2016, 199, 3-15.	0.5	11
43	Recognizing k-equistable Graphs in FPT Time. Lecture Notes in Computer Science, 2016, , 487-498.	1.0	2
44	Spread of influence in weighted networks under time and budget constraints. Theoretical Computer Science, 2015, 586, 40-58.	0.5	26
45	On the complexity of the identifiable subgraph problem. Discrete Applied Mathematics, 2015, 182, 25-33.	0.5	1
46	On the complexity of the vector connectivity problem. Theoretical Computer Science, 2015, 591, 60-71.	0.5	1
47	Polynomial-time algorithms for weighted efficient domination problems in AT-free graphs and dually chordal graphs. Information Processing Letters, 2015, 115, 256-262.	0.4	21
48	Group irregularity strength of connected graphs. Journal of Combinatorial Optimization, 2015, 30, 1-17.	0.8	10
49	On a class of graphs between threshold and total domishold graphs. Discrete Applied Mathematics, 2015, 195, 43-58.	0.5	1
50	Vertex-transitive CIS graphs. European Journal of Combinatorics, 2015, 44, 87-98.	0.5	12
51	A combinatorial approach to the design of vaccines. Journal of Mathematical Biology, 2015, 70, 1327-1358.	0.8	5
52	Finding a Perfect Phylogeny from Mixed Tumor Samples. Lecture Notes in Computer Science, 2015, , 80-92.	1.0	3
53	Vector connectivity in graphs. Networks, 2014, 63, 277-285.	1.6	2
54	Total domishold graphs: A generalization of threshold graphs, with connections to threshold hypergraphs. Discrete Applied Mathematics, 2014, 179, 1-12.	0.5	3

#	Article	IF	Citations
55	Graphs whose complement and square are isomorphic. Discrete Mathematics, 2014, 327, 62-75.	0.4	3
56	Graphs Without Large Apples and the Maximum Weight Independent Set Problem. Graphs and Combinatorics, 2014, 30, 395-410.	0.2	18
57	A characterization of line graphs that are squares of graphs. Discrete Applied Mathematics, 2014, 173, 83-91.	0.5	10
58	Set graphs. II. Complexity of set graph recognition and similar problems. Theoretical Computer Science, 2014, 547, 70-81.	0.5	10
59	Dominating sequences in graphs. Discrete Mathematics, 2014, 336, 22-36.	0.4	23
60	On CIS circulants. Discrete Mathematics, 2014, 318, 78-95.	0.4	15
61	Latency-bounded target set selection in social networks. Theoretical Computer Science, 2014, 535, 1-15.	0.5	40
62	Set graphs. IV. Further connections with claw-freeness. Discrete Applied Mathematics, 2014, 174, 113-121.	0.5	3
63	Equistable simplicial, very well-covered, and line graphs. Discrete Applied Mathematics, 2014, 165, 205-212.	0.5	8
64	Hereditary Efficiently Dominatable Graphs. Journal of Graph Theory, 2013, 73, 400-424.	0.5	21
65	Critical properties of graphs of bounded clique-width. Discrete Mathematics, 2013, 313, 1035-1044.	0.4	7
66	Computing square roots of trivially perfect and threshold graphs. Discrete Applied Mathematics, 2013, 161, 1538-1545.	0.5	18
67	Set graphs. I. Hereditarily finite sets and extensional acyclic orientations. Discrete Applied Mathematics, 2013, 161, 677-690.	0.5	8
68	On the approximability and exact algorithms for vector domination and related problems in graphs. Discrete Applied Mathematics, 2013, 161, 750-767.	0.5	22
69	Resilience and optimization of identifiable bipartite graphs. Discrete Applied Mathematics, 2013, 161, 593-603.	0.5	4
70	Dilation coefficient, plane-width, and resolution coefficient of graphs. Monatshefte Fur Mathematik, 2013, 170, 179-193.	0.5	0
71	Latency-Bounded Target Set Selection in Social Networks. Lecture Notes in Computer Science, 2013, , 65-77.	1.0	9
72	New Polynomial Cases of the Weighted Efficient Domination Problem. Lecture Notes in Computer Science, 2013, , 195-206.	1.0	12

#	Article	IF	Citations
73	Linear Separation of Total Dominating Sets in Graphs. Lecture Notes in Computer Science, 2013, , 165-176.	1.0	2
74	A note on domination and independence-domination numbers of graphs. Ars Mathematica Contemporanea, 2013, 6, 89-97.	0.3	2
75	Vector Connectivity in Graphs. Lecture Notes in Computer Science, 2013, , 331-342.	1.0	0
76	Graphs of separability at most 2. Discrete Applied Mathematics, 2012, 160, 685-696.	0.5	19
77	Complexity of independent set reconfigurability problems. Theoretical Computer Science, 2012, 439, 9-15.	0.5	104
78	On the Recognition of k-Equistable Graphs. Lecture Notes in Computer Science, 2012, , 286-296.	1.0	7
79	Shortest paths between shortest paths. Theoretical Computer Science, 2011, 412, 5205-5210.	0.5	50
80	Competitive evaluation of threshold functions inÂtheÂpriced information model. Annals of Operations Research, 2011, 188, 111-132.	2.6	14
81	Complexity results for equistable graphs and related classes. Annals of Operations Research, 2011, 188, 359-370.	2.6	13
82	The plane-width of graphs. Journal of Graph Theory, 2011, 68, 229-245.	0.5	2
83	Competitive Boolean function evaluation: Beyond monotonicity, and the symmetric case. Discrete Applied Mathematics, 2011, 159, 1070-1078.	0.5	11
84	Equistable graphs, general partition graphs, triangle graphs, and graph products. Discrete Applied Mathematics, 2011, 159, 1148-1159.	0.5	12
85	Shortest Paths between Shortest Paths and Independent Sets. Lecture Notes in Computer Science, 2011, , 56-67.	1.0	4
86	Graphs of Separability at Most Two: Structural Characterizations and Their Consequences. Lecture Notes in Computer Science, 2011, , 291-302.	1.0	0
87	Structural Identifiability in Low-Rank Matrix Factorization. Algorithmica, 2010, 56, 313-332.	1.0	4
88	On the Maximum Independent Set Problem in Subclasses of Planar Graphs. Journal of Graph Algorithms and Applications, 2010, 14, 269-286.	0.4	18
89	Recent developments on graphs of bounded clique-width. Discrete Applied Mathematics, 2009, 157, 2747-2761.	0.5	85
90	On the Plane-Width of Graphs. Electronic Notes in Discrete Mathematics, 2009, 34, 633-637.	0.4	0

#	Article	IF	Citations
91	A polynomial algorithm to find an independent set of maximum weight in a fork-free graph. Journal of Discrete Algorithms, 2008, 6, 595-604.	0.7	82
92	On finding augmenting graphs. Discrete Applied Mathematics, 2008, 156, 2517-2529.	0.5	14
93	The Maximum Independent Set Problem in Planar Graphs. Lecture Notes in Computer Science, 2008, , 96-107.	1.0	11
94	Tree-Width and Optimization in Bounded Degree Graphs. , 2007, , 45-54.		3