Martin MilaniÄ•

List of Publications by Year in descending order

		566801	525886
94 papers	924 citations	15 h-index	27 g-index
97 all docs	97 docs citations	97 times ranked	375 citing authors

#	Article	IF	Citations
1	Complexity of independent set reconfigurability problems. Theoretical Computer Science, 2012, 439, 9-15.	0.5	104
2	Recent developments on graphs of bounded clique-width. Discrete Applied Mathematics, 2009, 157, 2747-2761.	0.5	85
3	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
4	Shortest paths between shortest paths. Theoretical Computer Science, 2011, 412, 5205-5210.	0.5	50
5	Latency-bounded target set selection in social networks. Theoretical Computer Science, 2014, 535, 1-15.	0.5	40
6	Spread of influence in weighted networks under time and budget constraints. Theoretical Computer Science, 2015, 586, 40-58.	0.5	26
7	Dominating sequences in graphs. Discrete Mathematics, 2014, 336, 22-36.	0.4	23
8	On the approximability and exact algorithms for vector domination and related problems in graphs. Discrete Applied Mathematics, 2013, 161, 750-767.	0.5	22
9	Hereditary Efficiently Dominatable Graphs. Journal of Graph Theory, 2013, 73, 400-424.	0.5	21
10	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
11	Graphs of separability at most 2. Discrete Applied Mathematics, 2012, 160, 685-696.	0.5	19
12	Computing square roots of trivially perfect and threshold graphs. Discrete Applied Mathematics, 2013, 161, 1538-1545.	0.5	18
13	Graphs Without Large Apples and the Maximum Weight Independent Set Problem. Graphs and Combinatorics, 2014, 30, 395-410.	0.2	18
14	On the Maximum Independent Set Problem in Subclasses of Planar Graphs. Journal of Graph Algorithms and Applications, 2010, 14, 269-286.	0.4	18
15	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
16	On CIS circulants. Discrete Mathematics, 2014, 318, 78-95.	0.4	15
17	On finding augmenting graphs. Discrete Applied Mathematics, 2008, 156, 2517-2529.	0.5	14
18	Competitive evaluation of threshold functions in the priced information model. Annals of Operations Research, 2011, 188, 111-132.	2.6	14

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19	Domination parameters with number 2: Interrelations and algorithmic consequences. Discrete Applied Mathematics, 2018, 235, 23-50.	0.5	14
20	Complexity results for equistable graphs and related classes. Annals of Operations Research, 2011, 188, 359-370.	2.6	13
21	Equistable graphs, general partition graphs, triangle graphs, and graph products. Discrete Applied Mathematics, 2011, 159, 1148-1159.	0.5	12
22	Vertex-transitive CIS graphs. European Journal of Combinatorics, 2015, 44, 87-98.	0.5	12
23	New Polynomial Cases of the Weighted Efficient Domination Problem. Lecture Notes in Computer Science, 2013, , 195-206.	1.0	12
24	Competitive Boolean function evaluation: Beyond monotonicity, and the symmetric case. Discrete Applied Mathematics, 2011, 159, 1070-1078.	0.5	11
25	Graph classes with and without powers of bounded clique-width. Discrete Applied Mathematics, 2016, 199, 3-15.	0.5	11
26	The Maximum Independent Set Problem in Planar Graphs. Lecture Notes in Computer Science, 2008, , 96-107.	1.0	11
27	A characterization of line graphs that are squares of graphs. Discrete Applied Mathematics, 2014, 173, 83-91.	0.5	10
28	Set graphs. II. Complexity of set graph recognition and similar problems. Theoretical Computer Science, 2014, 547, 70-81.	0.5	10
29	Group irregularity strength of connected graphs. Journal of Combinatorial Optimization, 2015, 30, 1-17.	0.8	10
30	Equistarable Graphs and Counterexamples to Three Conjectures on Equistable Graphs. Journal of Graph Theory, 2017, 84, 536-551.	0.5	9
31	Weighted lambda superstrings applied to vaccine design. PLoS ONE, 2019, 14, e0211714.	1.1	9
32	Latency-Bounded Target Set Selection in Social Networks. Lecture Notes in Computer Science, 2013, , 65-77.	1.0	9
33	Set graphs. I. Hereditarily finite sets and extensional acyclic orientations. Discrete Applied Mathematics, 2013, 161, 677-690.	0.5	8
34	Equistable simplicial, very well-covered, and line graphs. Discrete Applied Mathematics, 2014, 165, 205-212.	0.5	8
35	On equistable, split, CIS, and related classes of graphs. Discrete Applied Mathematics, 2017, 216, 47-66.	0.5	8
36	Critical properties of graphs of bounded clique-width. Discrete Mathematics, 2013, 313, 1035-1044.	0.4	7

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37	A three-person deterministic graphical game without Nash equilibria. Discrete Applied Mathematics, 2018, 243, 21-38.	0.5	7
38	On the Recognition of k-Equistable Graphs. Lecture Notes in Computer Science, 2012, , 286-296.	1.0	7
39	Partial Characterizations of 1â€Perfectly Orientable Graphs. Journal of Graph Theory, 2017, 85, 378-394.	0.5	6
40	Graphs vertex-partitionable into strong cliques. Discrete Mathematics, 2018, 341, 1392-1405.	0.4	6
41	A combinatorial approach to the design of vaccines. Journal of Mathematical Biology, 2015, 70, 1327-1358.	0.8	5
42	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
43	Linear separation of connected dominating sets in graphs. Ars Mathematica Contemporanea, 2019, 16, 487-525.	0.3	5
44	Structural Identifiability in Low-Rank Matrix Factorization. Algorithmica, 2010, 56, 313-332.	1.0	4
45	Resilience and optimization of identifiable bipartite graphs. Discrete Applied Mathematics, 2013, 161, 593-603.	0.5	4
46	Equistarable bipartite graphs. Discrete Mathematics, 2016, 339, 1960-1969.	0.4	4
47	Strong cliques and equistability of EPT graphs. Discrete Applied Mathematics, 2016, 203, 13-25.	0.5	4
48	1-perfectly orientable K4-minor-free and outerplanar graphs. Discrete Applied Mathematics, 2018, 248, 33-45.	0.5	4
49	Weighted efficient domination for some classes of H-free and of <mml:math 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"		

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55	Graphs whose complement and square are isomorphic. Discrete Mathematics, 2014, 327, 62-75.	0.4	3
56	Set graphs. IV. Further connections with claw-freeness. Discrete Applied Mathematics, 2014, 174, 113-121.	0.5	3
57	On the readability of overlap digraphs. Discrete Applied Mathematics, 2016, 205, 35-44.	0.5	3
58	1-perfectly orientable graphs and graph products. Discrete Mathematics, 2017, 340, 1727-1737.	0.4	3
59	Detecting strong cliques. Discrete Mathematics, 2019, 342, 2738-2750.	0.4	3
60	Strong cliques in diamond-free graphs. Theoretical Computer Science, 2021, 858, 49-63.	0.5	3
61	Finding a Perfect Phylogeny from Mixed Tumor Samples. Lecture Notes in Computer Science, 2015, , 80-92.	1.0	3
62	Shifting paths to avoidable ones. Journal of Graph Theory, 2022, 100, 69-83.	0.5	3
63	The plane-width of graphs. Journal of Graph Theory, 2011, 68, 229-245.	0.5	2
64	Vector connectivity in graphs. Networks, 2014, 63, 277-285.	1.6	2
65	Improved Algorithms for k-Domination and Total k-Domination in Proper Interval Graphs. Lecture Notes in Computer Science, 2018, , 290-302.	1.0	2
66	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
67	Complexity and algorithms for constant diameter augmentation problems. Theoretical Computer Science, 2022, 904, 15-26.	0.5	2
68	Linear Separation of Total Dominating Sets in Graphs. Lecture Notes in Computer Science, 2013, , 165-176.	1.0	2
69	A note on domination and independence-domination numbers of graphs. Ars Mathematica Contemporanea, 2013, 6, 89-97.	0.3	2
70	Decomposing 1-Sperner Hypergraphs. Electronic Journal of Combinatorics, 2019, 26, .	0.2	2
71	Recognizing k-equistable Graphs in FPT Time. Lecture Notes in Computer Science, 2016, , 487-498.	1.0	2
72	Treewidth versus Clique Number. I. Graph Classes with a Forbidden Structure. SIAM Journal on Discrete Mathematics, 2021, 35, 2618-2646.	0.4	2

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73	On the complexity of the identifiable subgraph problem. Discrete Applied Mathematics, 2015, 182, 25-33.	0.5	1
74	On the complexity of the vector connectivity problem. Theoretical Computer Science, 2015, 591, 60-71.	0.5	1
75	On a class of graphs between threshold and total domishold graphs. Discrete Applied Mathematics, 2015, 195, 43-58.	0.5	1
76	On Three Extensions of Equimatchable Graphs. Electronic Notes in Discrete Mathematics, 2016, 55, 177-180.	0.4	1
77	1-perfectly orientable K 4 -minor-free and outerplanar graphs. Electronic Notes in Discrete Mathematics, 2016, 54, 199-204.	0.4	1
78	On two extensions of equimatchable graphs. Discrete Optimization, 2017, 26, 112-130.	0.6	1
79	On the Plane-Width of Graphs. Electronic Notes in Discrete Mathematics, 2009, 34, 633-637.	0.4	0
80	Dilation coefficient, plane-width, and resolution coefficient of graphs. Monatshefte Fur Mathematik, 2013, 170, 179-193.	0.5	0
81	The Minimum Conflict-Free Row Split Problem Revisited. Lecture Notes in Computer Science, 2017, , 303-315.	1.0	0
82	On the complexity of the identifiable subgraph problem, revisited. Discrete Applied Mathematics, 2017, 226, 78-86.	0.5	0
83	Stable Sets in {ISK4,wheel}-Free Graphs. Algorithmica, 2018, 80, 415-447.	1.0	0
84	Bipartite Graphs of Small Readability. Lecture Notes in Computer Science, 2018, , 467-479.	1.0	0
85	A dichotomy for weighted efficient dominating sets with bounded degree vertices. Information Processing Letters, 2019, 142, 30-34.	0.4	0
86	Bipartite graphs of small readability. Theoretical Computer Science, 2020, 806, 402-415.	0.5	0
87	Mind the independence gap. Discrete Mathematics, 2020, 343, 111943.	0.4	0
88	Vertex Cover at Distance on H-Free Graphs. Lecture Notes in Computer Science, 2021, , 237-251.	1.0	0
89	Searching for square-complementary graphs: Complexity of recognition and further nonexistence results. Discrete Mathematics, 2021, 344, 112369.	0.4	0
90	Graphs of Separability at Most Two: Structural Characterizations and Their Consequences. Lecture Notes in Computer Science, 2011, , 291-302.	1.0	0

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91	Vector Connectivity in Graphs. Lecture Notes in Computer Science, 2013, , 331-342.	1.0	0
92	Strong Cliques in Diamond-Free Graphs. Lecture Notes in Computer Science, 2020, , 261-273.	1.0	0
93	Graphs with Two Moplexes. Procedia Computer Science, 2021, 195, 248-256.	1.2	0
94	Avoidable vertices and edges in graphs: Existence, characterization, and applications. Discrete Applied Mathematics, 2022, 309, 285-300.	0.5	0