

Andreas Brandst dt

List of Publications by Year in descending order

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112
papers

3,321
citations

236612

25
h-index

264894

42
g-index

116
all docs

116
docs citations

116
times ranked

846
citing authors

#	ARTICLE	IF	CITATIONS
1	Bipartite permutation graphs. <i>Discrete Applied Mathematics</i> , 1987, 18, 279-292.	0.5	197
2	Dually Chordal Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 1998, 11, 437-455.	0.4	115
3	The NP-completeness of steiner tree and dominating set for chordal bipartite graphs. <i>Theoretical Computer Science</i> , 1987, 53, 257-265.	0.5	105
4	On domination problems for permutation and other graphs. <i>Theoretical Computer Science</i> , 1987, 54, 181-198.	0.5	76
5	Partitions of graphs into one or two independent sets and cliques. <i>Discrete Mathematics</i> , 1996, 152, 47-54.	0.4	70
6	Distance Approximating Trees for Chordal and Dually Chordal Graphs. <i>Journal of Algorithms</i> , 1999, 30, 166-184.	0.9	65
7	The algorithmic use of hypertree structure and maximum neighbourhood orderings. <i>Discrete Applied Mathematics</i> , 1998, 82, 43-77.	0.5	62
8	Clique-Width for 4-Vertex Forbidden Subgraphs. <i>Theory of Computing Systems</i> , 2006, 39, 561-590.	0.7	53
9	Convexity and HHD-Free Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 1999, 12, 119-135.	0.4	52
10	Structure and linear time recognition of 3-leaf powers. <i>Information Processing Letters</i> , 2006, 98, 133-138.	0.4	48
11	On clique separators, nearly chordal graphs, and the Maximum Weight Stable Set Problem. <i>Theoretical Computer Science</i> , 2007, 389, 295-306.	0.5	46
12	The complexity of some problems related to Graph 3-colorability. <i>Discrete Applied Mathematics</i> , 1998, 89, 59-73.	0.5	43
13	Tree spanners on chordal graphs: complexity and algorithms. <i>Theoretical Computer Science</i> , 2004, 310, 329-354.	0.5	43
14	LexBFS-orderings and powers of chordal graphs. <i>Discrete Mathematics</i> , 1997, 171, 27-42.	0.4	42
15	Independent Sets of Maximum Weight in Apple-Free Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2010, 24, 239-254.	0.4	42
16	On the structure and stability number of P5- and co-chair-free graphs. <i>Discrete Applied Mathematics</i> , 2003, 132, 47-65.	0.5	40
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#	ARTICLE	IF	CITATIONS
19	New Graph Classes of Bounded Clique-Width. Theory of Computing Systems, 2005, 38, 623-645.	0.7	37
20	On stable cutsets in graphs. Discrete Applied Mathematics, 2000, 105, 39-50.	0.5	36
21	GEM- AND CO-GEM-FREE GRAPHS HAVE BOUNDED CLIQUE-WIDTH. International Journal of Foundations of Computer Science, 2004, 15, 163-185.	0.8	36
22	Maximum Weight Stable Set on graphs without claw and co-claw (and similar graph classes) can be solved in linear time. Information Processing Letters, 2002, 84, 251-259.	0.4	33
23	Clique r -Domination and Clique r -Packing Problems on Dually Chordal Graphs. SIAM Journal on Discrete Mathematics, 1997, 10, 109-127.	0.4	29
24	(P_5 ,diamond)-free graphs revisited: structure and linear time optimization. Discrete Applied Mathematics, 2004, 138, 13-27.	0.5	29
25	A note on \hat{L} -redundant vertices in graphs. Discrete Applied Mathematics, 2001, 108, 301-308.	0.5	28
26	Structure and linear-time recognition of 4-leaf powers. ACM Transactions on Algorithms, 2008, 5, 1-22.	0.9	27
27	Efficient Edge Domination on Hole-Free Graphs in Polynomial Time. Lecture Notes in Computer Science, 2010, , 650-661.	1.0	26
28	On Independent Vertex Sets in Subclasses of \hat{A} -Free Graphs. Algorithmica, 2010, 56, 383-393.	1.0	24
29	Efficient Dominating and Edge Dominating Sets for Graphs and Hypergraphs. Lecture Notes in Computer Science, 2012, , 267-277.	1.0	24
30	On linear and circular structure of (claw, net)-free graphs. Discrete Applied Mathematics, 2003, 129, 285-303.	0.5	23
31	Rooted directed path graphs are leaf powers. Discrete Mathematics, 2010, 310, 897-910.	0.4	23
32	On distance-3 matchings and induced matchings. Discrete Applied Mathematics, 2011, 159, 509-520.	0.5	23
33	Classes of bipartite graphs related to chordal graphs. Discrete Applied Mathematics, 1991, 32, 51-60.	0.5	22
34	Bisplit graphs. Discrete Mathematics, 2005, 299, 11-32.	0.4	22
35	Maximum Induced Matchings for Chordal Graphs in Linear Time. Algorithmica, 2008, 52, 440-447.	1.0	22
36	On the stability number of claw-free P_5 -free and more general graphs. Discrete Applied Mathematics, 1999, 95, 163-167.	0.5	21

#	ARTICLE	IF	CITATIONS
37	Tree Spanners for Bipartite Graphs and Probe Interval Graphs. <i>Algorithmica</i> , 2007, 47, 27-51.	1.0	21
38	Polynomial-time algorithms for weighted efficient domination problems in AT-free graphs and dually chordal graphs. <i>Information Processing Letters</i> , 2015, 115, 256-262.	0.4	21
39	On variations of P4-sparse graphs. <i>Discrete Applied Mathematics</i> , 2003, 129, 521-532.	0.5	20
40	Linear Time Algorithms for Hamiltonian Problems on (Claw,Net)-Free Graphs. <i>SIAM Journal on Computing</i> , 2000, 30, 1662-1677.	0.8	19

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#	ARTICLE	IF	CITATIONS
55	Bounding the Clique-Width of H -Free Chordal Graphs. Journal of Graph Theory, 2017, 86, 42-77.	0.5	13
56	Exact leaf powers. Theoretical Computer Science, 2010, 411, 2968-2977.	0.5	12
57	Cycle transversals in perfect graphs and cographs. Theoretical Computer Science, 2013, 469, 15-23.	0.5	12
58	Finding Dominating Induced Matchings in P_8 -Free Graphs in Polynomial Time. Algorithmica, 2017, 77, 1283-1302.	1.0	11
59	The jump number problem for biconvex graphs and rectangle covers of rectangular regions. Lecture Notes in Computer Science, 1989, , 68-77.	1.0	10
60	Efficient robust algorithms for the Maximum Weight Stable Set Problem in chair-free graph classes. Information Processing Letters, 2004, 89, 165-173.	0.4	10
61	A forbidden induced subgraph characterization of distance-hereditary 5-leaf powers. Discrete Mathematics, 2009, 309, 3843-3852.	0.4	10
62	On $(k, \hat{\alpha}, \hat{\beta})$ -Leaf Powers. Lecture Notes in Computer Science, 2007, , 525-535.	1.0	10
63	Dominating Induced Matchings for P_7 -free Graphs in Linear Time. Lecture Notes in Computer Science, 2011, , 100-109.	1.0	10
64	On improved time bounds for permutation graph problems. Lecture Notes in Computer Science, 1993, , 1-10.	1.0	9
65	On minimal prime extensions of a four-vertex graph in a prime graph. Discrete Mathematics, 2004, 288, 9-17.	0.4	9
66	Characterising k -leaf powers. Discrete Applied Mathematics, 2010, 158, 110-122.	0.5	9
67	Split-Perfect Graphs: Characterizations and Algorithmic Use. SIAM Journal on Discrete Mathematics, 2004, 17, 341-360.	0.4	8
68	Recognizing the P_4 -structure of bipartite graphs. Discrete Applied Mathematics, 1999, 93, 157-168.	0.5	7
69	Recognizing the P_4 -structure of block graphs. Discrete Applied Mathematics, 2000, 99, 349-366.	0.5	7
70	On $\hat{\alpha}$ -redundant vertices in P_5 -free graphs. Information Processing Letters, 2002, 82, 119-122.	0.4	7
71	On Clique Separators, Nearly Chordal Graphs, and the Maximum Weight Stable Set Problem. Lecture Notes in Computer Science, 2005, , 265-275.	1.0	7
72	A note on efficient domination in a superclass of P -free graphs. Information Processing Letters, 2014, 114, 357-359.	0.4	7

#	ARTICLE	IF	CITATIONS
73	Weighted efficient domination in two subclasses of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle P \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ graphs. <i>Discrete Applied Mathematics</i> , 2016, 201, 38-46.	0.5	7
74	Tree- and forest-perfect graphs. <i>Discrete Applied Mathematics</i> , 1999, 95, 141-162.	0.5	6
75	Maximum Weight Independent Sets in Odd-Hole-Free Graphs Without Dart or Without Bull. <i>Graphs and Combinatorics</i> , 2015, 31, 1249-1262.	0.2	6
76	Efficiently decomposing, recognizing and triangulating hole-free graphs without diamonds. <i>Discrete Applied Mathematics</i> , 2015, 184, 50-61.	0.5	6
77	Weighted Efficient Domination for \mathbb{P}_5 -Free and \mathbb{P}_6 -Free Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2016, 30, 2288-2303.	0.4	6
78	Efficient domination for classes of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle P \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ graphs. <i>Discrete Applied Mathematics</i> , 2017, 223, 15-27.	0.5	6
79	Efficiently Recognizing the \mathbb{P}_4 -Structure of Trees and of Bipartite Graphs Without Short Cycles. <i>Graphs and Combinatorics</i> , 2000, 16, 381-387.	0.2	5
80	Maximum Weight Independent Sets for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle T_j \text{ ETQq0 0 0 rgBT /Overlock} \langle / \text{mml:math} \rangle$ graphs in polynomial time. <i>Discrete Applied Mathematics</i> , 2018, 236, 57-65.	0.5	5
81	Dominating induced matchings in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e19" altimg="si25.gif" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle S \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle / \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ graphs. <i>Discrete Applied Mathematics</i> , 2020, 278, 83-92.	0.5	5
82	Tree Spanners for Bipartite Graphs and Probe Interval Graphs. <i>Lecture Notes in Computer Science</i> , 2003, , 106-118.	1.0	5
83	On k - Versus $(k+1)$ -Leaf Powers. <i>Lecture Notes in Computer Science</i> , 2008, , 171-179.	1.0	5
84	Bounding the Clique-Width of H -free Chordal Graphs. <i>Lecture Notes in Computer Science</i> , 2015, , 139-150.	1.0	5
85	Efficient Domination for Some Subclasses of \mathbb{P}_6 -free Graphs in Polynomial Time. <i>Lecture Notes in Computer Science</i> , 2016, , 78-89.	1.0	5
86	Duchet-type theorems for powers of H -free graphs. <i>Discrete Mathematics</i> , 1997, 177, 9-16.	0.4	4
87	<i>Weighted efficient domination for some classes of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif" \rangle \langle \text{mml:mi} \rangle H \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$-free and of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml2" display="inline" overflow="scroll" \rangle$</i>		

#	ARTICLE	IF	CITATIONS
91	Weighted Efficient Domination for P_6 -Free and for P_5 -Free Graphs. Lecture Notes in Computer Science, 2016, , 38-49.	1.0	3
92	Efficient Domination and Efficient Edge Domination: A Brief Survey. Lecture Notes in Computer Science, 2018, , 1-14.	1.0	3
93	Powers of H -free graphs. International Journal of Computer Mathematics, 1998, 69, 217-242.	1.0	2
94	Clique cycle transversals in distance-hereditary graphs. Electronic Notes in Discrete Mathematics, 2013, 44, 15-21.	0.4	2
95	The Dilworth Number of Auto-Chordal Bipartite Graphs. Graphs and Combinatorics, 2015, 31, 1463-1471.	0.2	2
96	On Efficient Domination for Some Classes of H -Free Chordal Graphs. Electronic Notes in Discrete Mathematics, 2017, 62, 57-62.	0.4	2
97	Finding dominating induced matchings in S_2 -free graphs in polynomial time. Discrete Applied Mathematics, 2020, 283, 417-434.	0.5	2
98	Distance approximating trees for chordal and dually chordal graphs. Lecture Notes in Computer Science, 1997, , 78-91.	1.0	2
99	On Distance-3 Matchings and Induced Matchings. Lecture Notes in Computer Science, 2009, , 116-126.	1.0	2
100	On Robust Algorithms for the Maximum Weight Stable Set Problem. Lecture Notes in Computer Science, 2001, , 445-458.	1.0	2
101	Clique-Width for Four-Vertex Forbidden Subgraphs. Lecture Notes in Computer Science, 2005, , 185-196.	1.0	2
102	New Applications of Clique Separator Decomposition for the Maximum Weight Stable Set Problem. Lecture Notes in Computer Science, 2005, , 516-527.	1.0	1
103	The complete inclusion structure of leaf power classes. Theoretical Computer Science, 2009, 410, 5505-5514.	0.5	1
104	Clique cycle-transversals in distance-hereditary graphs. Discrete Applied Mathematics, 2016, 210, 38-44.	0.5	1
105	On efficient domination for some classes of H -free bipartite graphs. Discrete Applied Mathematics, 2019, 270, 58-67.	0.5	1
106	Finding dominating induced matchings in S_1 -free graphs in polynomial time. Discrete Applied Mathematics, 2020, 284, 269-280.	0.5	1
107	Maximum weight independent sets for $(S_{1,2,4}, \triangle)$ -free graphs in polynomial time. Theoretical Computer Science, 2021, 878-879, 11-25.	0.5	1
108	Path-Bicolorable Graphs. Graphs and Combinatorics, 2011, 27, 799-819.	0.2	0

#	ARTICLE	IF	CITATIONS
109	A dichotomy for weighted efficient dominating sets with bounded degree vertices. Information Processing Letters, 2019, 142, 30-34.	0.4	0
110	On efficient domination for some classes of H -free chordal graphs. Discrete Applied Mathematics, 2020, 281, 81-95.	0.5	0
111	Split-Perfect Graphs: Characterizations and Algorithmic Use. Lecture Notes in Computer Science, 2000, , 71-82.	1.0	0
112	Path-Bicolorable Graphs. Lecture Notes in Computer Science, 2009, , 172-182.	1.0	0