Pinar Heggernes

List of Publications by Year
in descending order

132	1,520	393982	433756
papers	citations	19 h-index	31 g-index

140	140	140	559
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Minimal triangulations of graphs: A survey. Discrete Mathematics, 2006, 306, 297-317.	0.4	130
2	Maximum Cardinality Search for Computing Minimal Triangulations of Graphs. Algorithmica, 2004, 39, 287-298.	1.0	85
3	A practical algorithm for making filled graphs minimal. Theoretical Computer Science, 2001, 250, 125-141.	0.5	51
4	Interval Completion Is Fixed Parameter Tractable. SIAM Journal on Computing, 2009, 38, 2007-2020.	0.8	41
5	Computing Minimal Triangulations in Time O(nalpha log n) = o(n2.376). SIAM Journal on Discrete Mathematics, 2005, 19, 900-913.	0.4	37
6	Minimal dominating sets in graph classes: Combinatorial bounds and enumeration. Theoretical Computer Science, 2013, 487, 82-94.	0.5	37
7	Enumerating Minimal Subset Feedback Vertex Sets. Algorithmica, 2014, 69, 216-231.	1.0	36
8	A wide-range algorithm for minimal triangulation from an arbitrary ordering. Journal of Algorithms, 2006, 58, 33-66.	0.9	35
9	Fixed-parameter algorithms for Cochromatic Number and Disjoint Rectangle Stabbing via iterative localization. Information and Computation, 2013, 231, 109-116.	0.5	35
10	Optimal broadcast domination in polynomial time. Discrete Mathematics, 2006, 306, 3267-3280.	0.4	32
11	Methods for Large Scale Total Least Squares Problems. SIAM Journal on Matrix Analysis and Applications, 2000, 22, 413-429.	0.7	30
12	A vertex incremental approach for maintaining chordality. Discrete Mathematics, 2006, 306, 318-336.	0.4	29
13	Contracting Graphs to Paths and Trees. Algorithmica, 2014, 68, 109-132.	1.0	29
14	Obtaining a Bipartite Graph by Contracting Few Edges. SIAM Journal on Discrete Mathematics, 2013, 27, 2143-2156.	0.4	27
15	Computing the metric dimension for chain graphs. Information Processing Letters, 2015, 115, 671-676.	0.4	25
16	Finding minimum height elimination trees for interval graphs in polynomial time. BIT Numerical Mathematics, 1994, 34, 484-509.	1.0	23
17	Subset feedback vertex sets in chordal graphs. Journal of Discrete Algorithms, 2014, 26, 7-15.	0.7	22
18	The Minimum Degree Heuristic and the Minimal Triangulation Process. Lecture Notes in Computer Science, 2003, , 58-70.	1.0	22

#	Article	IF	Citations
19	Interval completion with few edges. , 2007, , .		21
20	Characterising the linear clique-width of a class of graphs by forbidden induced subgraphs. Discrete Applied Mathematics, 2012, 160, 888-901.	0.5	21
21	Optimal Linear Arrangement of Interval Graphs. Lecture Notes in Computer Science, 2006, , 267-279.	1.0	20
22	Exact Algorithms for Graph Homomorphisms. Theory of Computing Systems, 2007, 41, 381-393.	0.7	19
23	Graphs of linear clique-width at most 3. Theoretical Computer Science, 2011, 412, 5466-5486.	0.5	19
24	Computing Minimum Geodetic Sets of Proper Interval Graphs. Lecture Notes in Computer Science, 2012, , 279-290.	1.0	19
25	Parameterized complexity of vertex deletion into perfect graph classes. Theoretical Computer Science, 2013, 511, 172-180.	0.5	19
26	An Incremental Polynomial Time Algorithm to Enumerate All Minimal Edge Dominating Sets. Algorithmica, 2015, 72, 836-859.	1.0	17
27	Graph Searching, Elimination Trees, and a Generalization of Bandwidth. Algorithmica, 2005, 41, 73-87.	1.0	16
28	Minimal split completions. Discrete Applied Mathematics, 2009, 157, 2659-2669.	0.5	16
29	A new representation of proper interval graphs with an application to clique-width. Electronic Notes in Discrete Mathematics, 2009, 32, 27-34.	0.4	16
30	Enumerating minimal dominating sets in chordal bipartite graphs. Discrete Applied Mathematics, 2016, 199, 30-36.	0.5	16
31	Minimal comparability completions of arbitrary graphs. Discrete Applied Mathematics, 2008, 156, 705-718.	0.5	15
32	A multi-parameter analysis of hard problems on deterministic finite automata. Journal of Computer and System Sciences, 2015, 81, 747-765.	0.9	15
33	Finding clubs in graph classes. Discrete Applied Mathematics, 2014, 174, 57-65.	0.5	14
34	Graph classes and Ramsey numbers. Discrete Applied Mathematics, 2014, 173, 16-27.	0.5	14
35	Enumerating minimal dominating sets in chordal graphs. Information Processing Letters, 2016, 116, 739-743.	0.4	14
36	Single-edge monotonic sequences of graphs and linear-time algorithms for minimal completions and deletions. Theoretical Computer Science, 2009, 410, 1-15.	0.5	13

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37	Bandwidth of bipartite permutation graphs in polynomial time. Journal of Discrete Algorithms, 2009, 7, 533-544.	0.7	13
38	Cutwidth of Split Graphs and Threshold Graphs. SIAM Journal on Discrete Mathematics, 2011, 25, 1418-1437.	0.4	13
39	Output-Polynomial Enumeration on Graphs of Bounded (Local) Linear MIM-Width. Algorithmica, 2018, 80, 714-741.	1.0	13
40	Faster Parameterized Algorithms for Minimum Fill-in. Algorithmica, 2011, 61, 817-838.	1.0	12
41	Detecting Fixed Patterns in Chordal Graphs in Polynomial Time. Algorithmica, 2013, 69, 501.	1.0	12
42	The Firefighter problem on graph classes. Theoretical Computer Science, 2016, 613, 38-50.	0.5	12
43	Minimal Interval Completions. Lecture Notes in Computer Science, 2005, , 403-414.	1.0	12
44	Edge contractions in subclasses of chordal graphs. Discrete Applied Mathematics, 2012, 160, 999-1010.	0.5	11
45	Computing role assignments of proper interval graphs in polynomial time. Journal of Discrete Algorithms, 2012, 14, 173-188.	0.7	11
46	A characterisation of clique-width through nested partitions. Discrete Applied Mathematics, 2015, 187, 70-81.	0.5	11
47	Clustering with partial information. Theoretical Computer Science, 2010, 411, 1202-1211.	0.5	10
48	Induced Subgraph Isomorphism on proper interval and bipartite permutation graphs. Theoretical Computer Science, 2015, 562, 252-269.	0.5	10
49	Enumerating minimal connected dominating sets in graphs of bounded chordality. Theoretical Computer Science, 2016, 630, 63-75.	0.5	10
50	Characterizing Minimal Interval Completions. , 2007, , 236-247.		10
51	Parameterized Complexity of Vertex Deletion into Perfect Graph Classes. Lecture Notes in Computer Science, 2011, , 240-251.	1.0	10
52	Contracting chordal graphs and bipartite graphs to paths and trees. Discrete Applied Mathematics, 2014, 164, 444-449.	0.5	9
53	Finding Disjoint Paths in Split Graphs. Theory of Computing Systems, 2015, 57, 140-159.	0.7	9
54	Minimal Split Completions of Graphs. Lecture Notes in Computer Science, 2006, , 592-604.	1.0	9

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55	A Complete Characterisation of the Linear Clique-Width of Path Powers. Lecture Notes in Computer Science, 2009, , 241-250.	1.0	8
56	Fixed-Parameter Algorithms for Cochromatic Number and Disjoint Rectangle Stabbing. Lecture Notes in Computer Science, 2010, , 334-345.	1.0	8
57	Generalized Graph Clustering: Recognizing (p,q)-Cluster Graphs. Lecture Notes in Computer Science, 2010, , 171-183.	1.0	8
58	Contracting chordal graphs and bipartite graphs to paths and trees. Electronic Notes in Discrete Mathematics, 2011, 37, 87-92.	0.4	7
59	Enumeration and maximum number of minimal connected vertex covers in graphs. European Journal of Combinatorics, 2018, 68, 132-147.	0.5	7
60	Polar Permutation Graphs. Lecture Notes in Computer Science, 2009, , 218-229.	1.0	7
61	Contracting Graphs to Paths and Trees. Lecture Notes in Computer Science, 2012, , 55-66.	1.0	7
62	Minimal dominating sets in interval graphs and trees. Discrete Applied Mathematics, 2017, 216, 162-170.	0.5	6
63	Efficient Implementation of a Minimal Triangulation Algorithm. Lecture Notes in Computer Science, 2002, , 550-562.	1.0	6
64	Choosability of P 5-Free Graphs. Lecture Notes in Computer Science, 2009, , 382-391.	1.0	6
65	Finding Contractions and Induced Minors in Chordal Graphs via Disjoint Paths. Lecture Notes in Computer Science, 2011, , 110-119.	1.0	6
66	Minimal Dominating Sets in Graph Classes: Combinatorial Bounds and Enumeration. Lecture Notes in Computer Science, 2012, , 202-213.	1.0	6
67	Sequential and parallel triangulating algorithms for Elimination Game and new insights on Minimum Degree. Theoretical Computer Science, 2008, 409, 601-616.	0.5	5
68	Dynamically maintaining split graphs. Discrete Applied Mathematics, 2009, 157, 2057-2069.	0.5	5
69	Mixed search number and linearâ€width of interval and split graphs. Networks, 2010, 56, 207-214.	1.6	5
70	Hardness and approximation of minimum distortion embeddings. Information Processing Letters, 2010, 110, 312-316.	0.4	5
71	Bandwidth on AT-free graphs. Theoretical Computer Science, 2011, 412, 7001-7008.	0.5	5
72	Computing minimum distortion embeddings into a path for bipartite permutation graphs and threshold graphs. Theoretical Computer Science, 2011, 412, 1275-1297.	0.5	5

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73	Edge search number of cographs. Discrete Applied Mathematics, 2012, 160, 734-743.	0.5	5
74	On recognition of threshold tolerance graphs and their complements. Discrete Applied Mathematics, 2017, 216, 171-180.	0.5	5
75	Induced Subgraph Isomorphism on Interval and Proper Interval Graphs. Lecture Notes in Computer Science, 2010, , 399-409.	1.0	5
76	Computing the Clique-Width of Large Path Powers in Linear Time via a New Characterisation of Clique-Width. Lecture Notes in Computer Science, 2011, , 233-246.	1.0	5
77	Fast Computation of Minimal Fill Inside A Given Elimination Ordering. SIAM Journal on Matrix Analysis and Applications, 2009, 30, 1424-1444.	0.7	4
78	Computing the Cutwidth of Bipartite Permutation Graphs in Linear Time. Lecture Notes in Computer Science, 2010, , 75-87.	1.0	4
79	Strongly chordal and chordal bipartite graphs areÂsandwich monotone. Journal of Combinatorial Optimization, 2011, 22, 438-456.	0.8	4
80	Computing the Cutwidth of Bipartite Permutation Graphs in Linear Time. SIAM Journal on Discrete Mathematics, 2012, 26, 1008-1021.	0.4	4
81	A Multivariate Analysis of Some DFA Problems. Lecture Notes in Computer Science, 2013, , 275-286.	1.0	4
82	Choosability on H-free graphs. Information Processing Letters, 2013, 113, 107-110.	0.4	4
83	Hadwiger Number of Graphs with Small Chordality. SIAM Journal on Discrete Mathematics, 2015, 29, 1427-1451.	0.4	4
84	Maximal Induced Matchings in Triangle-Free Graphs. Journal of Graph Theory, 2016, 83, 231-250.	0.5	4
85	Parameterized Aspects of Strong Subgraph Closure. Algorithmica, 2020, 82, 2006-2038.	1.0	4
86	Linear-Time Generation of Random Chordal Graphs. Lecture Notes in Computer Science, 2017, , 442-453.	1.0	4
87	Faster Parameterized Algorithms for Minimum Fill-In. Lecture Notes in Computer Science, 2008, , 282-293.	1.0	4
88	Broadcast Domination on Block Graphs in Linear Time. Lecture Notes in Computer Science, 2012, , 172-183.	1.0	4
89	Edge Contractions in Subclasses of Chordal Graphs. Lecture Notes in Computer Science, 2011, , 528-539.	1.0	4
90	Enumerating Minimal Subset Feedback Vertex Sets. Lecture Notes in Computer Science, 2011, , 399-410.	1.0	4

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91	Single-Edge Monotonic Sequences of Graphs and Linear-Time Algorithms for Minimal Completions and Deletions. Lecture Notes in Computer Science, 2007, , 406-416.	1.0	4
92	Mixed Search Number and Linear-Width of Interval and Split Graphs. , 2007, , 304-315.		4
93	Clustering with Partial Information. Lecture Notes in Computer Science, 2008, , 144-155.	1.0	4
94	Polar permutation graphs are polynomial-time recognisable. European Journal of Combinatorics, 2013, 34, 576-592.	0.5	3
95	Enumeration of minimal connected dominating sets for chordal graphs. Discrete Applied Mathematics, 2020, 278, 3-11.	0.5	3
96	Making an arbitrary filled graph minimal by removing fill edges. Lecture Notes in Computer Science, 1996, , 173-184.	1.0	3
97	Maximal Induced Matchings in Triangle-Free Graphs. Lecture Notes in Computer Science, 2014, , 93-104.	1.0	3
98	Mixed Search Number of Permutation Graphs. , 2008, , 196-207.		3
99	Cutwidth of Split Graphs, Threshold Graphs, and Proper Interval Graphs. Lecture Notes in Computer Science, 2008, , 218-229.	1.0	3
100	Maximum Number of Minimal Feedback Vertex Sets in Chordal Graphs and Cographs. Lecture Notes in Computer Science, 2012, , 133-144.	1.0	3
101	An Exact Algorithm for Subset Feedback Vertex Set on Chordal Graphs. Lecture Notes in Computer Science, 2012, , 85-96.	1.0	3
102	Bandwidth of Bipartite Permutation Graphs in Polynomial Time. , 2008, , 216-227.		3
103	A completely dynamic algorithm for split graphs. Electronic Notes in Discrete Mathematics, 2006, 27, 69-70.	0.4	2
104	Vector connectivity in graphs. Networks, 2014, 63, 277-285.	1.6	2
105	On the Parameterized Complexity of Finding Separators with Non-Hereditary Properties. Algorithmica, 2015, 72, 687-713.	1.0	2
106	Clique-width of path powers. Discrete Applied Mathematics, 2016, 205, 62-72.	0.5	2
107	Bandwidth on AT-Free Graphs. Lecture Notes in Computer Science, 2009, , 573-582.	1.0	2
108	An Incremental Polynomial Time Algorithm to Enumerate All Minimal Edge Dominating Sets. Lecture Notes in Computer Science, 2013, , 485-496.	1.0	2

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109	Output-Polynomial Enumeration on Graphs of Bounded (Local) Linear MIM-Width. Lecture Notes in Computer Science, 2015, , 248-258.	1.0	2
110	Ramsey Numbers for Line Graphs and Perfect Graphs. Lecture Notes in Computer Science, 2012, , 204-215.	1.0	2
111	Enumeration and Maximum Number of Minimal Connected Vertex Covers in Graphs. Lecture Notes in Computer Science, 2016, , 235-247.	1.0	2
112	On the Maximum Number of Edges in Chordal Graphs of Bounded Degree and Matching Number. Lecture Notes in Computer Science, 2020, , 600-612.	1.0	2
113	Graphs of Linear Clique-Width at Most 3. , 2008, , 330-341.		2
114	On the Maximum Number of Edges in Chordal Graphs of Bounded Degree and Matching Number. Algorithmica, 2022, 84, 3587-3602.	1.0	2
115	Scheduling unit-length jobs with precedence constraints of small height. Operations Research Letters, 2014, 42, 166-172.	0.5	1
116	Making Arbitrary Graphs Transitively Orientable: Minimal Comparability Completions. Lecture Notes in Computer Science, 2006, , 419-428.	1.0	1
117	Edge Search Number of Cographs in Linear Time. Lecture Notes in Computer Science, 2009, , 16-26.	1.0	1
118	Exploiting Restricted Linear Structure to Cope with the Hardness of Clique-Width. Lecture Notes in Computer Science, 2010, , 284-295.	1.0	1
119	Induced Subtrees in Interval Graphs. Lecture Notes in Computer Science, 2013, , 230-243.	1.0	1
120	Minimum Distortion Embeddings into a Path of Bipartite Permutation and Threshold Graphs. Lecture Notes in Computer Science, 2008, , 331-342.	1.0	1
121	Guest Editorsâ€™ Foreword. Discrete Applied Mathematics, 2010, 158, 729-730.	0.5	0
122	Guest editorsâ€™ foreword. Discrete Applied Mathematics, 2012, 160, 683-684.	0.5	0
123	Modifying a Graph Using Vertex Elimination. Algorithmica, 2015, 72, 99-125.	1.0	0
124	Optimal Broadcast Domination of Arbitrary Graphs in Polynomial Time. Lecture Notes in Computer Science, 2005, , 187-198.	1.0	0
125	Simple and Efficient Modifications of Elimination Orderings. Lecture Notes in Computer Science, 2006, , 788-797.	1.0	0
126	Strongly Chordal and Chordal Bipartite Graphs Are Sandwich Monotone. Lecture Notes in Computer Science, 2009, , 398-407.	1.0	0

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127	Computing Role Assignments of Proper Interval Graphs in Polynomial Time. Lecture Notes in Computer Science, 2011, , 167-180.	1.0	0
128	How to Eliminate a Graph. Lecture Notes in Computer Science, 2012, , 320-331.	1.0	0
129	On the Parameterized Complexity of Finding Separators with Non-Hereditary Properties. Lecture Notes in Computer Science, 2012, , 332-343.	1.0	0
130	Vector Connectivity in Graphs. Lecture Notes in Computer Science, 2013, , 331-342.	1.0	0
131	Cliques and Clubs. Lecture Notes in Computer Science, 2013, , 276-287.	1.0	0
132	Generation of random chordal graphs using subtrees of a tree. RAIRO - Operations Research, 2022, 56, 565-582.	1.0	0