

Fedor V Fomin

List of Publications by Year in descending order

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289

papers

7,444

citations

81900

39

h-index

98798

67

g-index

320

all docs

320

docs citations

320

times ranked

1997

citing authors

#	ARTICLE	IF	CITATIONS
1	Parameterized Algorithms. , 2015, , .		991
2	A measure & conquer approach for the analysis of exact algorithms. Journal of the ACM, 2009, 56, 1-32.	2.2	555
3	Exact Exponential Algorithms. Texts in Theoretical Computer Science, 2010, , .	0.8	267
4	Subexponential parameterized algorithms on bounded-genus graphs and H -minor-free graphs. Journal of the ACM, 2005, 52, 866-893.	2.2	263
5	An annotated bibliography on guaranteed graph searching. Theoretical Computer Science, 2008, 399, 236-245.	0.9	255
6	A k -Approximation Algorithm for Treewidth. SIAM Journal on Computing, 2016, 45, 317-378.	1.0	146
7	Efficient Computation of Representative Families with Applications in Parameterized and Exact Algorithms. Journal of the ACM, 2016, 63, 1-60.	2.2	117
8	Fixed-parameter algorithms for (k, r) -center in planar graphs and map graphs. ACM Transactions on Algorithms, 2005, 1, 33-47.	1.0	103
9	Improved algorithms for feedback vertex set problems. Journal of Computer and System Sciences, 2008, 74, 1188-1198.	1.2	98
10	(Meta) Kernelization. , 2009, , .		98
11	On the Minimum Feedback Vertex Set Problem: Exact and Enumeration Algorithms. Algorithmica, 2008, 52, 293-307.	1.3	92
12	Planar F-Deletion: Approximation, Kernelization and Optimal FPT Algorithms. , 2012, , .		89
13	Bidimensional Parameters and Local Treewidth. SIAM Journal on Discrete Mathematics, 2004, 18, 501-511.	0.8	87
14	On Two Techniques of Combining Branching and Treewidth. Algorithmica, 2009, 54, 181-207.	1.3	84
15	On the complexity of some colorful problems parameterized by treewidth. Information and Computation, 2011, 209, 143-153.	0.7	83
16	Measure and Conquer: Domination – A Case Study. Lecture Notes in Computer Science, 2005, , 191-203.	1.3	82
17	(Meta) Kernelization. Journal of the ACM, 2016, 63, 1-69.	2.2	79
18	Dominating Sets in Planar Graphs: Branch-Width and Exponential Speed-Up. SIAM Journal on Computing, 2006, 36, 281-309.	1.0	78

#	ARTICLE	IF	CITATIONS
19	Combinatorial bounds via measure and conquer. ACM Transactions on Algorithms, 2008, 5, 1-17.	1.0	76
20	Bidimensionality and Kernels. , 2010, , .		73
21	Exact (Exponential) Algorithms for the Dominating Set Problem. Lecture Notes in Computer Science, 2004, , 245-256.	1.3	72
22	Efficient Exact Algorithms on Planar Graphs: Exploiting Sphere Cut Decompositions. Algorithmica, 2010, 58, 790-810.	1.3	71
23	Subexponential parameterized algorithms. Computer Science Review, 2008, 2, 29-39.	15.3	70
24	Large Induced Subgraphs via Triangulations and CMSO. SIAM Journal on Computing, 2015, 44, 54-87.	1.0	70
25	Treewidth computation and extremal combinatorics. Combinatorica, 2012, 32, 289-308.	1.2	69
26	Approximation algorithms for time-dependent orienteering. Information Processing Letters, 2002, 83, 57-62.	0.6	68
27	Kernels for feedback arc set in tournaments. Journal of Computer and System Sciences, 2011, 77, 1071-1078.	1.2	65
28	Contraction obstructions for treewidth. Journal of Combinatorial Theory Series B, 2011, 101, 302-314.	1.0	64
29	Kernel(s) for problems with no kernel. ACM Transactions on Algorithms, 2012, 8, 1-19.	1.0	64
30	Solving Connected Dominating Set Faster than 2^n . Algorithmica, 2008, 52, 153-166.	1.3	61
31	A linear vertex kernel for maximum internal spanning tree. Journal of Computer and System Sciences, 2013, 79, 1-6.	1.2	60
32	Intractability of Clique-Width Parameterizations. SIAM Journal on Computing, 2010, 39, 1941-1956.	1.0	57
33	Pathwidth of cubic graphs and exact algorithms. Information Processing Letters, 2006, 97, 191-196.	0.6	56
34	Pursuing a fast robber on a graph. Theoretical Computer Science, 2010, 411, 1167-1181.	0.9	54
35	Exact Algorithms for Treewidth and Minimum Fill-In. SIAM Journal on Computing, 2008, 38, 1058-1079.	1.0	53
36	Faster algorithms for finding and counting subgraphs. Journal of Computer and System Sciences, 2012, 78, 698-706.	1.2	53

#	ARTICLE	IF	CITATIONS
37	Hitting Forbidden Minors: Approximation and Kernelization. SIAM Journal on Discrete Mathematics, 2016, 30, 383-410.	0.8	52
38	Preprocessing subgraph and minor problems: When does a small vertex cover help?. Journal of Computer and System Sciences, 2014, 80, 468-495.	1.2	51
39	Measure and conquer. , 2006, , .		51
40	Equitable colorings of bounded treewidth graphs. Theoretical Computer Science, 2005, 349, 22-30.	0.9	50
41	New upper bounds on the decomposability of planar graphs. Journal of Graph Theory, 2006, 51, 53-81.	0.9	49
42	Subexponential Parameterized Algorithm for Minimum Fill-In. SIAM Journal on Computing, 2013, 42, 2197-2216.	1.0	48
43	Exact (Exponential) Algorithms for Treewidth and Minimum Fill-In. Lecture Notes in Computer Science, 2004, , 568-580.	1.3	42
44	Efficient Exact Algorithms on Planar Graphs: Exploiting Sphere Cut Branch Decompositions. Lecture Notes in Computer Science, 2005, , 95-106.	1.3	42
45	A Note on Exact Algorithms for Vertex Ordering Problems on Graphs. Theory of Computing Systems, 2012, 50, 420-432.	1.1	36
46	Efficient Computation of Representative Sets with Applications in Parameterized and Exact Algorithms. , 2014, , .		36
47	Enumerating Minimal Subset Feedback Vertex Sets. Algorithmica, 2014, 69, 216-231.	1.3	36
48	Representative Families of Product Families. ACM Transactions on Algorithms, 2017, 13, 1-29.	1.0	36
49	An $O(c^k n)$ 5-Approximation Algorithm for Treewidth. , 2013, , .		35
50	Tight bounds for parameterized complexity of Cluster Editing with a small number of clusters. Journal of Computer and System Sciences, 2014, 80, 1430-1447.	1.2	35
51	Approximating minimum cocolorings. Information Processing Letters, 2002, 84, 285-290.	0.6	32
52	Connected graph searching. Information and Computation, 2012, 219, 1-16.	0.7	32
53	Local search: Is brute-force avoidable?. Journal of Computer and System Sciences, 2012, 78, 707-719.	1.2	32
54	Iterative compression and exact algorithms. Theoretical Computer Science, 2010, 411, 1045-1053.	0.9	31

#	ARTICLE	IF	CITATIONS
55	On Exact Algorithms for Treewidth. Lecture Notes in Computer Science, 2006, , 672-683.	1.3	31
56	Graph Searching and Interval Completion. SIAM Journal on Discrete Mathematics, 2000, 13, 454-464.	0.8	30
57	Approximation of pathwidth of outerplanar graphs. Journal of Algorithms, 2002, 43, 190-200.	0.9	29
58	Subexponential algorithms for partial cover problems. Information Processing Letters, 2011, 111, 814-818.	0.6	29
59	Sharp Separation and Applications to Exact and Parameterized Algorithms. Algorithmica, 2012, 63, 692-706.	1.3	29
60	Three complexity results on coloring $P \leq k \cdot \sum_{i=1}^k \text{width}_i$ graphs. European Journal of Combinatorics, 2013, 34, 609-619.	0.8	29
61	A Polynomial Kernel for Proper Interval Vertex Deletion. SIAM Journal on Discrete Mathematics, 2013, 27, 1964-1976.	0.8	29
62	Spanning Directed Trees with Many Leaves. SIAM Journal on Discrete Mathematics, 2009, 23, 466-476.	0.8	28
63	Fully Polynomial-Time Parameterized Computations for Graphs and Matrices of Low Treewidth. ACM Transactions on Algorithms, 2018, 14, 1-45.	1.0	28
64	Algorithm for finding k -vertex out-trees and its application to k -internal out-branching problem. Journal of Computer and System Sciences, 2010, 76, 650-662.	1.2	27
65	Almost Optimal Lower Bounds for Problems Parameterized by Clique-Width. SIAM Journal on Computing, 2014, 43, 1541-1563.	1.0	27
66	Fast Parameterized Algorithms for Graphs on Surfaces: Linear Kernel and Exponential Speed-Up. Lecture Notes in Computer Science, 2004, , 581-592.	1.3	27
67	Bidimensionality and EPTAS. , 2011, , .		25
68	Finding a Minimum Feedback Vertex Set in Time $\mathcal{O}(1.7548^n)$. Lecture Notes in Computer Science, 2006, , 184-191.	1.3	25
69	Bidimensionality and Geometric Graphs. , 2012, , .		24
70	Backbone colorings for graphs: Tree and path backbones. Journal of Graph Theory, 2007, 55, 137-152.	0.9	23
71	On exact algorithms for treewidth. ACM Transactions on Algorithms, 2012, 9, 1-23.	1.0	23
72	Representative Sets of Product Families. Lecture Notes in Computer Science, 2014, , 443-454.	1.3	23

#	ARTICLE	IF	CITATIONS
73	On the monotonicity of games generated by symmetric submodular functions. Discrete Applied Mathematics, 2003, 131, 323-335.	0.9	22
74	Faster parameterized algorithms for minor containment. Theoretical Computer Science, 2011, 412, 7018-7028.	0.9	22
75	Metric Dimension of Bounded Tree-length Graphs. SIAM Journal on Discrete Mathematics, 2017, 31, 1217-1243.	0.8	22
76	On distance constrained labeling of disk graphs. Theoretical Computer Science, 2004, 326, 261-292.	0.9	21
77	Parameterized algorithm for eternal vertex cover. Information Processing Letters, 2010, 110, 702-706.	0.6	21
78	Rank-width and tree-width of H -minor-free graphs. European Journal of Combinatorics, 2010, 31, 1617-1628.	0.8	21
79	Implicit branching and parameterized partial cover problems. Journal of Computer and System Sciences, 2011, 77, 1159-1171.	1.2	21
80	Counting Subgraphs via Homomorphisms. SIAM Journal on Discrete Mathematics, 2012, 26, 695-717.	0.8	20
81	Catalan structures and dynamic programming in H -minor-free graphs. Journal of Computer and System Sciences, 2012, 78, 1606-1622.	1.2	20
82	Optimal Linear Arrangement of Interval Graphs. Lecture Notes in Computer Science, 2006, , 267-279.	1.3	20
83	AT-free graphs: linear bounds for the oriented diameter. Discrete Applied Mathematics, 2004, 141, 135-148.	0.9	19
84	Exact Algorithms for Graph Homomorphisms. Theory of Computing Systems, 2007, 41, 381-393.	1.1	19
85	Nondeterministic Graph Searching: From Pathwidth to Treewidth. Algorithmica, 2009, 53, 358-373.	1.3	19
86	Parameterized complexity of firefighting. Journal of Computer and System Sciences, 2014, 80, 1285-1297.	1.2	19
87	Exploring the Subexponential Complexity of Completion Problems. ACM Transactions on Computation Theory, 2015, 7, 1-38.	0.7	19
88	Exact algorithms via monotone local search. , 2016, , .		18
89	Connected Graph Searching in Outerplanar Graphs. Electronic Notes in Discrete Mathematics, 2005, 22, 213-216.	0.4	17
90	A 3-approximation for the pathwidth of Halin graphs. Journal of Discrete Algorithms, 2006, 4, 499-510.	0.7	17

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91	Parameterized complexity of the anchored k-core problem for directed graphs. Information and Computation, 2016, 247, 11-22.	0.7	17
92	Counting Subgraphs via Homomorphisms. Lecture Notes in Computer Science, 2009, , 71-82.	1.3	17
93	Tree decompositions with small cost. Discrete Applied Mathematics, 2005, 145, 143-154.	0.9	16
94	Graph Searching, Elimination Trees, and a Generalization of Bandwidth. Algorithmica, 2005, 41, 73-87.	1.3	16
95	Spanners in sparse graphs. Journal of Computer and System Sciences, 2011, 77, 1108-1119.	1.2	16
96	Exact exponential algorithms. Communications of the ACM, 2013, 56, 80-88.	4.5	16
97	Improved Algorithms for the Feedback Vertex Set Problems. Lecture Notes in Computer Science, 2007, , 422-433.	1.3	16
98	Subexponential Parameterized Algorithms for Planar and Apex-Minor-Free Graphs via Low Treewidth Pattern Covering. , 2016, , .		15
99	Treewidth Computation and Extremal Combinatorics. Lecture Notes in Computer Science, 2008, , 210-221.	1.3	15
100	Parameterized Algorithms to Preserve Connectivity. Lecture Notes in Computer Science, 2014, , 800-811.	1.3	15
101	More About Subcolorings. Computing (Vienna/New York), 2002, 69, 187-203.	4.8	14
102	Planar Graph Coloring Avoiding Monochromatic Subgraphs: Trees and Paths Make It Difficult. Algorithmica, 2006, 44, 343-361.	1.3	14
103	Strengthening Erdős-Pósa property for minor-closed graph classes. Journal of Graph Theory, 2011, 66, 235-240.	0.9	14
104	Exact Algorithms via Monotone Local Search. Journal of the ACM, 2019, 66, 1-23.	2.2	14
105	Contraction Bidimensionality: The Accurate Picture. Lecture Notes in Computer Science, 2009, , 706-717.	1.3	14
106	On tractability of Cops and Robbers game. International Federation for Information Processing, 2008, , 171-185.	0.4	13
107	Beyond bidimensionality: Parameterized subexponential algorithms on directed graphs. Information and Computation, 2013, 233, 60-70.	0.7	13
108	To satisfy impatient Web surfers is hard. Theoretical Computer Science, 2014, 526, 1-17.	0.9	13

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109	On the Tractability of Optimization Problems on H-Graphs. <i>Algorithmica</i> , 2020, 82, 2432-2473.	1.3	13
110	Three Complexity Results on Coloring P_k -Free Graphs. <i>Lecture Notes in Computer Science</i> , 2009, , 95-104.	1.3	13
111	An exact algorithm for minimum distortion embedding. <i>Theoretical Computer Science</i> , 2011, 412, 3530-3536.	0.9	12
112	A Subexponential Parameterized Algorithm for Proper Interval Completion. <i>Lecture Notes in Computer Science</i> , 2014, , 173-184.	1.3	12
113	The Firefighter problem on graph classes. <i>Theoretical Computer Science</i> , 2016, 613, 38-50.	0.9	12
114	Algorithms Parameterized by Vertex Cover and Modular Width, Through Potential Maximal Cliques. <i>Algorithmica</i> , 2018, 80, 1146-1169.	1.3	12
115	Exact Algorithms for Terrain Guarding. <i>ACM Transactions on Algorithms</i> , 2018, 14, 1-20.	1.0	12
116	Parameterized low-rank binary matrix approximation. <i>Data Mining and Knowledge Discovery</i> , 2020, 34, 478-532.	3.7	12
117	Exact Algorithm for the Maximum Induced Planar Subgraph Problem. <i>Lecture Notes in Computer Science</i> , 2011, , 287-298.	1.3	12
118	Parameterized Complexity of Firefighting Revisited. <i>Lecture Notes in Computer Science</i> , 2012, , 13-26.	1.3	12
119	On the domination search number. <i>Discrete Applied Mathematics</i> , 2003, 127, 565-580.	0.9	11
120	Improved Exact Algorithms for Counting 3- and 4-Colorings. <i>Lecture Notes in Computer Science</i> , 2007, , 65-74.	1.3	11
121	Parameterized Complexity of the Spanning Tree Congestion Problem. <i>Algorithmica</i> , 2012, 64, 85-111.	1.3	11
122	A Subexponential Parameterized Algorithm for Proper Interval Completion. <i>SIAM Journal on Discrete Mathematics</i> , 2015, 29, 1961-1987.	0.8	11
123	Faster exact algorithms for some terminal set problems. <i>Journal of Computer and System Sciences</i> , 2017, 88, 195-207.	1.2	11
124	Branching and Treewidth Based Exact Algorithms. <i>Lecture Notes in Computer Science</i> , 2006, , 16-25.	1.3	11
125	On the Complexity of Some Colorful Problems Parameterized by Treewidth. <i>Lecture Notes in Computer Science</i> , 2007, , 366-377.	1.3	11
126	Solving Connected Dominating Set Faster Than 2^n . <i>Lecture Notes in Computer Science</i> , 2006, , 152-163.	1.3	11

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127	Computing Optimal Steiner Trees in Polynomial Space. <i>Algorithmica</i> , 2013, 65, 584-604.	1.3	10
128	Long directed (s,t)-path: FPT algorithm. <i>Information Processing Letters</i> , 2018, 140, 8-12.	0.6	10
129	Subexponential Parameterized Algorithm for Computing the Cutwidth of a Semi-complete Digraph. <i>Lecture Notes in Computer Science</i> , 2013, , 505-516.	1.3	10
130	Subexponential Parameterized Algorithm for Minimum Fill-in. , 2012, , .		10
131	Tight Lower Bounds on Graph Embedding Problems. <i>Journal of the ACM</i> , 2017, 64, 1-22.	2.2	10
132	Computing branchwidth via efficient triangulations and blocks. <i>Discrete Applied Mathematics</i> , 2009, 157, 2726-2736.	0.9	9
133	Spanners of bounded degree graphs. <i>Information Processing Letters</i> , 2011, 111, 142-144.	0.6	9
134	Approximation Schemes for Low-rank Binary Matrix Approximation Problems. <i>ACM Transactions on Algorithms</i> , 2020, 16, 1-39.	1.0	9
135	On the Parameterized Complexity of Cutting a Few Vertices from a Graph. <i>Lecture Notes in Computer Science</i> , 2013, , 421-432.	1.3	9
136	Cops and Robber Game Without Recharging. <i>Theory of Computing Systems</i> , 2012, 50, 611-620.	1.1	8
137	Distortion is Fixed Parameter Tractable. <i>ACM Transactions on Computation Theory</i> , 2013, 5, 1-20.	0.7	8
138	On the parameterized complexity of vertex cover and edge cover with connectivity constraints. <i>Theoretical Computer Science</i> , 2015, 565, 1-15.	0.9	8
139	Subquadratic Kernels for Implicit 3-Hitting Set and 3-Set Packing Problems. <i>ACM Transactions on Algorithms</i> , 2019, 15, 1-44.	1.0	8
140	Faster Steiner Tree Computation in Polynomial-Space. <i>Lecture Notes in Computer Science</i> , 2008, , 430-441.	1.3	8
141	Distortion Is Fixed Parameter Tractable. <i>Lecture Notes in Computer Science</i> , 2009, , 463-474.	1.3	8
142	Jungles, bundles, and fixed-parameter tractability. , 2013, , .		8
143	Hitting topological minors is FPT. , 2020, , .		8
144	Radio Labeling with Preassigned Frequencies. <i>SIAM Journal on Optimization</i> , 2004, 15, 1-16.	2.0	7

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145	Eliminating graphs by means of parallel knock-out schemes. Discrete Applied Mathematics, 2007, 155, 92-102.	0.9	7
146	How to Guard a Graph?. Algorithmica, 2011, 61, 839-856.	1.3	7
147	Largest Chordal and Interval Subgraphs Faster than 2^{2n} . Algorithmica, 2016, 76, 569-594.	1.3	7
148	How to hunt an invisible rabbit on a graph. European Journal of Combinatorics, 2016, 52, 12-26.	0.8	7
149	Parameterized Complexity of Secluded Connectivity Problems. Theory of Computing Systems, 2017, 61, 795-819.	1.1	7
150	Kernels for (Connected) Dominating Set on Graphs with Excluded Topological Minors. ACM Transactions on Algorithms, 2018, 14, 1-31.	1.0	7
151	Clique-width III. ACM Transactions on Algorithms, 2019, 15, 1-27.	1.0	7
152	Algorithms Parameterized by Vertex Cover and Modular Width, through Potential Maximal Cliques. Lecture Notes in Computer Science, 2014, , 182-193.	1.3	7
153	Subexponential Parameterized Algorithms. Lecture Notes in Computer Science, 2007, , 15-27.	1.3	7
154	Iterative Compression and Exact Algorithms. Lecture Notes in Computer Science, 2008, , 335-346.	1.3	7
155	Kernelization Methods for Fixed-Parameter Tractability. , 2014, , 260-282.		6
156	Note on a helicopter search problem on graphs. Discrete Applied Mathematics, 1999, 95, 241-249.	0.9	6
157	On self duality of pathwidth in polyhedral graph embeddings. Journal of Graph Theory, 2007, 55, 42-54.	0.9	6
158	Cops and Robber with Constraints. SIAM Journal on Discrete Mathematics, 2012, 26, 571-590.	0.8	6
159	Fast Minor Testing in Planar Graphs. Algorithmica, 2012, 64, 69-84.	1.3	6
160	Quadratic Upper Bounds on the Erdős-Pósa Property for a Generalization of Packing and Covering Cycles. Journal of Graph Theory, 2013, 74, 417-424.	0.9	6
161	Metric Dimension of Bounded Width Graphs. Lecture Notes in Computer Science, 2015, , 115-126.	1.3	6
162	Fully polynomial-time parameterized computations for graphs and matrices of low treewidth. , 2017, , .		6

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163	Bidimensionality. , 2016, , 203-207.		6
164	Better Algorithms and Bounds for Directed Maximum Leaf Problems. Lecture Notes in Computer Science, 2007, , 316-327.	1.3	6
165	How to Guard a Graph?. Lecture Notes in Computer Science, 2008, , 318-329.	1.3	6
166	The Curse of Connectivity: t-Total Vertex (Edge) Cover. Lecture Notes in Computer Science, 2010, , 34-43.	1.3	6
167	Ranking and Drawing in Subexponential Time. Lecture Notes in Computer Science, 2011, , 337-348.	1.3	6
168	Vertex Cover Structural Parameterization Revisited. Lecture Notes in Computer Science, 2016, , 171-182.	1.3	6
169	Sort and Search: Exact algorithms for generalized domination. Information Processing Letters, 2009, 109, 795-798.	0.6	5
170	Mixed search number and linear-width of interval and split graphs. Networks, 2010, 56, 207-214.	2.7	5
171	On the complexity of reconstructing H-free graphs from their Star Systems. Journal of Graph Theory, 2011, 68, 113-124.	0.9	5
172	Social choice meets graph drawing: How to get subexponential time algorithms for ranking and drawing problems. Tsinghua Science and Technology, 2014, 19, 374-386.	6.1	5
173	Computing Tree-Depth Faster Than $2^{\frac{n}{2}}$. Algorithmica, 2015, 73, 202-216.	1.3	5
174	Subexponential Parameterized Algorithm for Interval Completion. ACM Transactions on Algorithms, 2018, 14, 1-62.	1.0	5
175	A Fixed-Parameter Perspective on #BIS. Algorithmica, 2019, 81, 3844-3864.	1.3	5
176	On the Parameterized Complexity of Graph Modification to First-Order Logic Properties. Theory of Computing Systems, 2020, 64, 251-271.	1.1	5
177	On the parameterized complexity of $[1,j]$ -domination problems. Theoretical Computer Science, 2020, 804, 207-218.	0.9	5
178	Path Contraction Faster than 2^n . SIAM Journal on Discrete Mathematics, 2020, 34, 1302-1325.	0.8	5
179	Subgraph Complementation. Algorithmica, 2020, 82, 1859-1880.	1.3	5
180	A Linear Vertex Kernel for Maximum Internal Spanning Tree. Lecture Notes in Computer Science, 2009, , 275-282.	1.3	5

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181	Faster Parameterized Algorithms for Minor Containment. Lecture Notes in Computer Science, 2010, , 322-333.	1.3	5
182	k-Gap Interval Graphs. Lecture Notes in Computer Science, 2012, , 350-361.	1.3	5
183	Largest Chordal and Interval Subgraphs Faster Than 2^n . Lecture Notes in Computer Science, 2013, , 193-204.	1.3	5
184	Algorithms for graphs with small octopus. Discrete Applied Mathematics, 2004, 134, 105-128.	0.9	4
185	Exact Algorithms for Finding Longest Cycles in Claw-Free Graphs. Algorithmica, 2013, 65, 129-145.	1.3	4
186	Large induced subgraphs via triangulations and CMSO. , 2014, , .		4
187	Long Circuits and Large Euler Subgraphs. SIAM Journal on Discrete Mathematics, 2014, 28, 878-892.	0.8	4
188	Parameterized complexity of connected even/odd subgraph problems. Journal of Computer and System Sciences, 2014, 80, 157-179.	1.2	4
189	On width measures and topological problems on semi-complete digraphs. Journal of Combinatorial Theory Series B, 2019, 138, 78-165.	1.0	4
190	Finding Detours is Fixed-Parameter Tractable. SIAM Journal on Discrete Mathematics, 2019, 33, 2326-2345.	0.8	4
191	Going Far from Degeneracy. SIAM Journal on Discrete Mathematics, 2020, 34, 1587-1601.	0.8	4
192	Faster Exact Algorithms for Some Terminal Set Problems. Lecture Notes in Computer Science, 2013, , 150-162.	1.3	4
193	Fast Exact Algorithms for Hamiltonicity in Claw-Free Graphs. Lecture Notes in Computer Science, 2010, , 44-53.	1.3	4
194	Cops and Robber Game without Recharging. Lecture Notes in Computer Science, 2010, , 273-284.	1.3	4
195	Parameterized Single-Exponential Time Polynomial Space Algorithm for Steiner Tree. Lecture Notes in Computer Science, 2015, , 494-505.	1.3	4
196	Spanners in Sparse Graphs. Lecture Notes in Computer Science, 2008, , 597-608.	1.3	4
197	Enumerating Minimal Subset Feedback Vertex Sets. Lecture Notes in Computer Science, 2011, , 399-410.	1.3	4
198	Bidimensionality and Kernels. SIAM Journal on Computing, 2020, 49, 1397-1422.	1.0	4

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199	Subexponential Algorithms for Rectilinear Steiner Tree and Arborescence Problems. ACM Transactions on Algorithms, 2020, 16, 1-37.	1.0	4
200	Mixed Search Number and Linear-Width of Interval and Split Graphs. , 2007, , 304-315.		4
201	Bilateral Orientations and Domination. Electronic Notes in Discrete Mathematics, 2001, 7, 26-29.	0.4	3
202	Bidimensional Parameters and Local Treewidth. Lecture Notes in Computer Science, 2004, , 109-118.	1.3	3
203	Branching. Texts in Theoretical Computer Science, 2010, , 13-30.	0.8	3
204	Split and List. Texts in Theoretical Computer Science, 2010, , 153-160.	0.8	3
205	Guard games on graphs: Keep the intruder out!. Theoretical Computer Science, 2011, 412, 6484-6497.	0.9	3
206	Matrix Rigidity from the Viewpoint of Parameterized Complexity. SIAM Journal on Discrete Mathematics, 2018, 32, 966-985.	0.8	3
207	Spanning Circuits in Regular Matroids. ACM Transactions on Algorithms, 2019, 15, 1-38.	1.0	3
208	Finding, Hitting and Packing Cycles in Subexponential Time on Unit Disk Graphs. Discrete and Computational Geometry, 2019, 62, 879-911.	0.6	3
209	Kernelization of Graph Hamiltonicity: Proper \mathcal{H} -Graphs. SIAM Journal on Discrete Mathematics, 2021, 35, 840-892.	0.8	3
210	Computing Tree-Depth Faster Than $2n$. Lecture Notes in Computer Science, 2013, , 137-149.	1.3	3
211	Branch and Recharge: Exact Algorithms for Generalized Domination. Lecture Notes in Computer Science, 2007, , 507-518.	1.3	3
212	FPT Suspects and Tough Customers: Open Problems of Downey and Fellows. Lecture Notes in Computer Science, 2012, , 457-468.	1.3	3
213	Computing Branchwidth Via Efficient Triangulations and Blocks. Lecture Notes in Computer Science, 2005, , 374-384.	1.3	3
214	Multiplicative Parameterization Above a Guarantee. ACM Transactions on Computation Theory, 2021, 13, 1-16.	0.7	3
215	Fast FPT-approximation of branchwidth. , 2022, , .		3
216	Pathwidth of Planar and Line Graphs. Graphs and Combinatorics, 2003, 19, 91-99.	0.4	2

#	ARTICLE	IF	CITATIONS
217	Searching expenditure and interval graphs. Discrete Applied Mathematics, 2004, 135, 97-104.	0.9	2
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