

Fedor V Fomin

List of Publications by Year in descending order

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289
papers

7,444
citations

81743

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g-index

320
all docs

320
docs citations

320
times ranked

1997
citing authors

#	ARTICLE	IF	CITATIONS
1	Parameterized Complexity of Elimination Distance to First-Order Logic Properties. ACM Transactions on Computational Logic, 2022, 23, 1-35.	0.7	1
2	Fast FPT-approximation of branchwidth. , 2022, , .		3
3	Present-biased optimization. Mathematical Social Sciences, 2022, 119, 56-67.	0.3	2
4	Parameterized Complexity of Categorical Clustering with Size Constraints. Lecture Notes in Computer Science, 2021, , 385-398.	1.0	1
5	Subexponential Parameterized Algorithms and Kernelization on Almost Chordal Graphs. Algorithmica, 2021, 83, 2170-2214.	1.0	2
6	Computation of Hadwiger Number and Related Contraction Problems. ACM Transactions on Computation Theory, 2021, 13, 1-25.	0.4	0
7	Parameterized Complexity of Elimination Distance to First-Order Logic Properties. , 2021, , .		2
8	Kernelization of Graph Hamiltonicity: Proper H -Graphs. SIAM Journal on Discrete Mathematics, 2021, 35, 840-892.	0.4	3
9	Multiplicative Parameterization Above a Guarantee. ACM Transactions on Computation Theory, 2021, 13, 1-16.	0.4	3
10	On the Parameterized Complexity of Graph Modification to First-Order Logic Properties. Theory of Computing Systems, 2020, 64, 251-271.	0.7	5
11	Parameterized low-rank binary matrix approximation. Data Mining and Knowledge Discovery, 2020, 34, 478-532.	2.4	12
12	On the parameterized complexity of $[1,j]$ -domination problems. Theoretical Computer Science, 2020, 804, 207-218.	0.5	5
13	Approximation Schemes for Low-rank Binary Matrix Approximation Problems. ACM Transactions on Algorithms, 2020, 16, 1-39.	0.9	9
14	CSR 2018 Special Issue on TOCS. Theory of Computing Systems, 2020, 64, 1-2.	0.7	0
15	Going Far from Degeneracy. SIAM Journal on Discrete Mathematics, 2020, 34, 1587-1601.	0.4	4
16	Path Contraction Faster than 2^n . SIAM Journal on Discrete Mathematics, 2020, 34, 1302-1325.	0.4	5
17	On the Tractability of Optimization Problems on H -Graphs. Algorithmica, 2020, 82, 2432-2473.	1.0	13
18	Subgraph Complementation. Algorithmica, 2020, 82, 1859-1880.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Hitting topological minors is FPT. , 2020, , .		8
20	On the Parameterized Complexity of the Expected Coverage Problem. Lecture Notes in Computer Science, 2020, , 224-236.	1.0	0
21	Bidimensionality and Kernels. SIAM Journal on Computing, 2020, 49, 1397-1422.	0.8	4
22	Knot Diagrams of Treewidth Two. Lecture Notes in Computer Science, 2020, , 80-91.	1.0	1
23	Subexponential Algorithms for Rectilinear Steiner Tree and Arborescence Problems. ACM Transactions on Algorithms, 2020, 16, 1-37.	0.9	4
24	A Fixed-Parameter Perspective on #BIS. Algorithmica, 2019, 81, 3844-3864.	1.0	5
25	Spanning Circuits in Regular Matroids. ACM Transactions on Algorithms, 2019, 15, 1-38.	0.9	3
26	Editing to Connected F-Degree Graph. SIAM Journal on Discrete Mathematics, 2019, 33, 795-836.	0.4	2
27	On width measures and topological problems on semi-complete digraphs. Journal of Combinatorial Theory Series B, 2019, 138, 78-165.	0.6	4
28	Parameterized Single-Exponential Time Polynomial Space Algorithm for Steiner Tree. SIAM Journal on Discrete Mathematics, 2019, 33, 327-345.	0.4	2
29	Exact Algorithms via Monotone Local Search. Journal of the ACM, 2019, 66, 1-23.	1.8	14
30	Finding, Hitting and Packing Cycles in Subexponential Time on Unit Disk Graphs. Discrete and Computational Geometry, 2019, 62, 879-911.	0.4	3
31	Finding Detours is Fixed-Parameter Tractable. SIAM Journal on Discrete Mathematics, 2019, 33, 2326-2345.	0.4	4
32	Clique-width III. ACM Transactions on Algorithms, 2019, 15, 1-27.	0.9	7
33	Subquadratic Kernels for Implicit 3-Hitting Set and 3-Set Packing Problems. ACM Transactions on Algorithms, 2019, 15, 1-44.	0.9	8
34	Kernels for (Connected) Dominating Set on Graphs with Excluded Topological Minors. ACM Transactions on Algorithms, 2018, 14, 1-31.	0.9	7
35	Preface to Special Issue Dedicated to the 60th Birthday of Gregory Gutin. Algorithmica, 2018, 80, 2513-2515.	1.0	0
36	Algorithms Parameterized by Vertex Cover and Modular Width, Through Potential Maximal Cliques. Algorithmica, 2018, 80, 1146-1169.	1.0	12

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37	Polynomial Parameter Transformation. , 2018, , 389-397.		0
38	Structured Connectivity Augmentation. SIAM Journal on Discrete Mathematics, 2018, 32, 2612-2635.	0.4	1
39	Covering Vectors by Spaces: Regular Matroids. SIAM Journal on Discrete Mathematics, 2018, 32, 2512-2565.	0.4	0
40	What Is a Kernel?. , 2018, , 1-12.		0
41	Warm Up. , 2018, , 15-31.		0
42	Inductive Priorities. , 2018, , 32-49.		0
43	Crown Decomposition. , 2018, , 50-60.		0
44	Expansion Lemma. , 2018, , 61-83.		0
45	Hypertrees. , 2018, , 105-120.		0
46	Sunflower Lemma. , 2018, , 121-132.		0
47	Matroids. , 2018, , 164-182.		0
48	Representative Families. , 2018, , 183-216.		0
49	Greedy Packing. , 2018, , 217-236.		0
50	Euler's Formula. , 2018, , 237-254.		0
51	Introduction to Treewidth. , 2018, , 257-296.		0
52	Bidimensionality and Protrusions. , 2018, , 297-315.		0
53	Surgery on Graphs. , 2018, , 316-356.		0
54	Framework. , 2018, , 359-376.		0

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55	Instance Selectors. , 2018, , 377-388.		0
56	Polynomial Lower Bounds. , 2018, , 398-411.		0
57	Extending Distillation. , 2018, , 412-426.		0
58	Turing Kernelization. , 2018, , 429-439.		0
59	Lossy Kernelization. , 2018, , 440-466.		0
60	Long directed (s,t)-path: FPT algorithm. Information Processing Letters, 2018, 140, 8-12.	0.4	10
61	Matrix Rigidity from the Viewpoint of Parameterized Complexity. SIAM Journal on Discrete Mathematics, 2018, 32, 966-985.	0.4	3
62	Exact Algorithms for Terrain Guarding. ACM Transactions on Algorithms, 2018, 14, 1-20.	0.9	12
63	Subexponential Parameterized Algorithm for Interval Completion. ACM Transactions on Algorithms, 2018, 14, 1-62.	0.9	5
64	Fully Polynomial-Time Parameterized Computations for Graphs and Matrices of Low Treewidth. ACM Transactions on Algorithms, 2018, 14, 1-45.	0.9	28
65	Parameterized Complexity of Secluded Connectivity Problems. Theory of Computing Systems, 2017, 61, 795-819.	0.7	7
66	Faster exact algorithms for some terminal set problems. Journal of Computer and System Sciences, 2017, 88, 195-207.	0.9	11
67	Representative Families of Product Families. ACM Transactions on Algorithms, 2017, 13, 1-29.	0.9	36
68	Metric Dimension of Bounded Tree-length Graphs. SIAM Journal on Discrete Mathematics, 2017, 31, 1217-1243.	0.4	22
69	Parameterized Complexity of Superstring Problems. Algorithmica, 2017, 79, 798-813.	1.0	0
70	Fully polynomial-time parameterized computations for graphs and matrices of low treewidth. , 2017, , .		6
71	Tight Lower Bounds on Graph Embedding Problems. Journal of the ACM, 2017, 64, 1-22.	1.8	10
72	Exact algorithms via monotone local search. , 2016, , .		18

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73	Subexponential Parameterized Algorithms for Planar and Apex-Minor-Free Graphs via Low Treewidth Pattern Covering. , 2016, , .		15
74	(Meta) Kernelization. Journal of the ACM, 2016, 63, 1-69.	1.8	79
75	Forewords: Special issue on Theory and Applications of Graph Searching Problems. Theoretical Computer Science, 2016, 655, 1.	0.5	0
76	A k -5-Approximation Algorithm for Treewidth. SIAM Journal on Computing, 2016, 45, 317-378.	0.8	146
77	Efficient Computation of Representative Families with Applications in Parameterized and Exact Algorithms. Journal of the ACM, 2016, 63, 1-60.	1.8	117
78	Hitting Forbidden Minors: Approximation and Kernelization. SIAM Journal on Discrete Mathematics, 2016, 30, 383-410.	0.4	52
79	Largest Chordal and Interval Subgraphs Faster than 2^{2n} . Algorithmica, 2016, 76, 569-594.	1.0	7
80	Parameterized complexity of the anchored k -core problem for directed graphs. Information and Computation, 2016, 247, 11-22.	0.5	17
81	The Firefighter problem on graph classes. Theoretical Computer Science, 2016, 613, 38-50.	0.5	12
82	How to hunt an invisible rabbit on a graph. European Journal of Combinatorics, 2016, 52, 12-26.	0.5	7
83	Bidimensionality. , 2016, , 203-207.		6
84	Branchwidth of Graphs. , 2016, , 232-237.		1
85	Vertex Cover Structural Parameterization Revisited. Lecture Notes in Computer Science, 2016, , 171-182.	1.0	6
86	Subexponential Parameterized Algorithms. , 2016, , 2124-2126.		0
87	Exploring the Subexponential Complexity of Completion Problems. ACM Transactions on Computation Theory, 2015, 7, 1-38.	0.4	19
88	Minimizing Rosenthal Potential in Multicast Games. Theory of Computing Systems, 2015, 57, 81-96.	0.7	0
89	Computing Tree-Depth Faster Than $2^{\lfloor n/2 \rfloor}$. Algorithmica, 2015, 73, 202-216.	1.0	5
90	A Subexponential Parameterized Algorithm for Proper Interval Completion. SIAM Journal on Discrete Mathematics, 2015, 29, 1961-1987.	0.4	11

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91	Parameterized Algorithms. , 2015, , .		991
92	Large Induced Subgraphs via Triangulations and CMSO. SIAM Journal on Computing, 2015, 44, 54-87.	0.8	70
93	Lower Bounds for the Graph Homomorphism Problem. Lecture Notes in Computer Science, 2015, , 481-493.	1.0	2
94	Metric Dimension of Bounded Width Graphs. Lecture Notes in Computer Science, 2015, , 115-126.	1.0	6
95	On the parameterized complexity of vertex cover and edge cover with connectivity constraints. Theoretical Computer Science, 2015, 565, 1-15.	0.5	8
96	Minimum Fill-in of Sparse Graphs: Kernelization and Approximation. Algorithmica, 2015, 71, 1-20.	1.0	2
97	Parameterized Single-Exponential Time Polynomial Space Algorithm for Steiner Tree. Lecture Notes in Computer Science, 2015, , 494-505.	1.0	4
98	Subexponential Parameterized Algorithms. , 2015, , 1-4.		0
99	Parameterized Complexity of Superstring Problems. Lecture Notes in Computer Science, 2015, , 89-99.	1.0	0
100	Kernelization Methods for Fixed-Parameter Tractability. , 2014, , 260-282.		6
101	Efficient Computation of Representative Sets with Applications in Parameterized and Exact Algorithms. , 2014, , .		36
102	Large induced subgraphs via triangulations and CMSO. , 2014, , .		4
103	A Subexponential Parameterized Algorithm for Proper Interval Completion. Lecture Notes in Computer Science, 2014, , 173-184.	1.0	12
104	Social choice meets graph drawing: How to get subexponential time algorithms for ranking and drawing problems. Tsinghua Science and Technology, 2014, 19, 374-386.	4.1	5
105	Almost Optimal Lower Bounds for Problems Parameterized by Clique-Width. SIAM Journal on Computing, 2014, 43, 1541-1563.	0.8	27
106	Long Circuits and Large Euler Subgraphs. SIAM Journal on Discrete Mathematics, 2014, 28, 878-892.	0.4	4
107	To satisfy impatient Web surfers is hard. Theoretical Computer Science, 2014, 526, 1-17.	0.5	13
108	Searching for better fill-in. Journal of Computer and System Sciences, 2014, 80, 1374-1383.	0.9	0

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109	Enumerating Minimal Subset Feedback Vertex Sets. <i>Algorithmica</i> , 2014, 69, 216-231.	1.0	36
110	Parameterized complexity of connected even/odd subgraph problems. <i>Journal of Computer and System Sciences</i> , 2014, 80, 157-179.	0.9	4
111	Parameterized complexity of firefighting. <i>Journal of Computer and System Sciences</i> , 2014, 80, 1285-1297.	0.9	19
112	Preprocessing subgraph and minor problems: When does a small vertex cover help?. <i>Journal of Computer and System Sciences</i> , 2014, 80, 468-495.	0.9	51
113	Tight bounds for parameterized complexity of Cluster Editing with a small number of clusters. <i>Journal of Computer and System Sciences</i> , 2014, 80, 1430-1447.	0.9	35
114	Algorithms Parameterized by Vertex Cover and Modular Width, through Potential Maximal Cliques. <i>Lecture Notes in Computer Science</i> , 2014, , 182-193.	1.0	7
115	Parameterized Algorithms to Preserve Connectivity. <i>Lecture Notes in Computer Science</i> , 2014, , 800-811.	1.0	15
116	Representative Sets of Product Families. <i>Lecture Notes in Computer Science</i> , 2014, , 443-454.	1.0	23
117	Bidimensionality. , 2014, , 1-5.		0
118	Computing Optimal Steiner Trees in Polynomial Space. <i>Algorithmica</i> , 2013, 65, 584-604.	1.0	10
119	Exact Algorithms for Finding Longest Cycles in Claw-Free Graphs. <i>Algorithmica</i> , 2013, 65, 129-145.	1.0	4
120	Quadratic Upper Bounds on the Erdős's Packing Property for a Generalization of Packing and Covering Cycles. <i>Journal of Graph Theory</i> , 2013, 74, 417-424.	0.5	6
121	An $O(c^k n)$ 5-Approximation Algorithm for Treewidth. , 2013, , .		35
122	Beyond bidimensionality: Parameterized subexponential algorithms on directed graphs. <i>Information and Computation</i> , 2013, 233, 60-70.	0.5	13
123	Three complexity results on coloring graphs. <i>European Journal of Combinatorics</i> , 2013, 34, 609-619.	0.5	29
124	A linear vertex kernel for maximum internal spanning tree. <i>Journal of Computer and System Sciences</i> , 2013, 79, 1-6.	0.9	60
125	Distortion is Fixed Parameter Tractable. <i>ACM Transactions on Computation Theory</i> , 2013, 5, 1-20.	0.4	8
126	A Polynomial Kernel for Proper Interval Vertex Deletion. <i>SIAM Journal on Discrete Mathematics</i> , 2013, 27, 1964-1976.	0.4	29

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127	Subexponential Parameterized Algorithm for Minimum Fill-In. SIAM Journal on Computing, 2013, 42, 2197-2216.	0.8	48
128	Exact exponential algorithms. Communications of the ACM, 2013, 56, 80-88.	3.3	16
129	Computing Tree-Depth Faster Than $2n$. Lecture Notes in Computer Science, 2013, , 137-149.	1.0	3
130	Faster Exact Algorithms for Some Terminal Set Problems. Lecture Notes in Computer Science, 2013, , 150-162.	1.0	4
131	On the Parameterized Complexity of Cutting a Few Vertices from a Graph. Lecture Notes in Computer Science, 2013, , 421-432.	1.0	9
132	Largest Chordal and Interval Subgraphs Faster Than $2n$. Lecture Notes in Computer Science, 2013, , 193-204.	1.0	5
133	Subexponential Parameterized Algorithm for Computing the Cutwidth of a Semi-complete Digraph. Lecture Notes in Computer Science, 2013, , 505-516.	1.0	10
134	Jungles, bundles, and fixed-parameter tractability. , 2013, , .		8
135	Kernelization Algorithms. Smart Innovation, Systems and Technologies, 2013, , 1-5.	0.5	0
136	Long Circuits and Large Euler Subgraphs. Lecture Notes in Computer Science, 2013, , 493-504.	1.0	1
137	Kernel(s) for problems with no kernel. ACM Transactions on Algorithms, 2012, 8, 1-19.	0.9	64
138	On exact algorithms for treewidth. ACM Transactions on Algorithms, 2012, 9, 1-23.	0.9	23
139	Cops and Robber with Constraints. SIAM Journal on Discrete Mathematics, 2012, 26, 571-590.	0.4	6
140	Counting Subgraphs via Homomorphisms. SIAM Journal on Discrete Mathematics, 2012, 26, 695-717.	0.4	20
141	Connected graph searching. Information and Computation, 2012, 219, 1-16.	0.5	32
142	Treewidth computation and extremal combinatorics. Combinatorica, 2012, 32, 289-308.	0.6	69
143	Planar F-Deletion: Approximation, Kernelization and Optimal FPT Algorithms. , 2012, , .		89
144	Catalan structures and dynamic programming in H-minor-free graphs. Journal of Computer and System Sciences, 2012, 78, 1606-1622.	0.9	20

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145	Foreword: Special Issue on Theory and Applications of Graph Searching Problems. Theoretical Computer Science, 2012, 463, 1.	0.5	0
146	Fast Minor Testing in Planar Graphs. Algorithmica, 2012, 64, 69-84.	1.0	6
147	Parameterized Complexity of the Spanning Tree Congestion Problem. Algorithmica, 2012, 64, 85-111.	1.0	11
148	Faster algorithms for finding and counting subgraphs. Journal of Computer and System Sciences, 2012, 78, 698-706.	0.9	53
149	Local search: Is brute-force avoidable?. Journal of Computer and System Sciences, 2012, 78, 707-719.	0.9	32
150	A Note on Exact Algorithms for Vertex Ordering Problems on Graphs. Theory of Computing Systems, 2012, 50, 420-432.	0.7	36
151	Cops and Robber Game Without Recharging. Theory of Computing Systems, 2012, 50, 611-620.	0.7	8
152	Sharp Separation and Applications to Exact and Parameterized Algorithms. Algorithmica, 2012, 63, 692-706.	1.0	29
153	Parameterized Complexity of Firefighting Revisited. Lecture Notes in Computer Science, 2012, , 13-26.	1.0	12
154	k-Gap Interval Graphs. Lecture Notes in Computer Science, 2012, , 350-361.	1.0	5
155	FPT Suspects and Tough Customers: Open Problems of Downey and Fellows. Lecture Notes in Computer Science, 2012, , 457-468.	1.0	3
156	Bidimensionality and Geometric Graphs. , 2012, , .		24
157	Subexponential Parameterized Algorithm for Minimum Fill-in. , 2012, , .		10
158	A Polynomial Kernel for Proper Interval Vertex Deletion. Lecture Notes in Computer Science, 2012, , 467-478.	1.0	0
159	Approximating Width Parameters of Hypergraphs with Excluded Minors. SIAM Journal on Discrete Mathematics, 2011, 25, 1331-1348.	0.4	1
160	Bidimensionality and EPTAS. , 2011, , .		25
161	Guard games on graphs: Keep the intruder out!. Theoretical Computer Science, 2011, 412, 6484-6497.	0.5	3
162	Faster parameterized algorithms for minor containment. Theoretical Computer Science, 2011, 412, 7018-7028.	0.5	22

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163	Kernels for feedback arc set in tournaments. Journal of Computer and System Sciences, 2011, 77, 1071-1078.	0.9	65
164	Spanners in sparse graphs. Journal of Computer and System Sciences, 2011, 77, 1108-1119.	0.9	16
165	Implicit branching and parameterized partial cover problems. Journal of Computer and System Sciences, 2011, 77, 1159-1171.	0.9	21
166	On the complexity of some colorful problems parameterized by treewidth. Information and Computation, 2011, 209, 143-153.	0.5	83
167	How to Guard a Graph?. Algorithmica, 2011, 61, 839-856.	1.0	7
168	Branch and Recharge: Exact Algorithms for Generalized Domination. Algorithmica, 2011, 61, 252-273.	1.0	0
169	Strengthening Erdős's property for minor-closed graph classes. Journal of Graph Theory, 2011, 66, 235-240.	0.5	14
170	On the complexity of reconstructing H-free graphs from their Star Systems. Journal of Graph Theory, 2011, 68, 113-124.	0.5	5
171	Contraction obstructions for treewidth. Journal of Combinatorial Theory Series B, 2011, 101, 302-314.	0.6	64
172	Spanners of bounded degree graphs. Information Processing Letters, 2011, 111, 142-144.	0.4	9
173	Subexponential algorithms for partial cover problems. Information Processing Letters, 2011, 111, 814-818.	0.4	29
174	Approximation of minimum weight spanners for sparse graphs. Theoretical Computer Science, 2011, 412, 846-852.	0.5	2
175	An exact algorithm for minimum distortion embedding. Theoretical Computer Science, 2011, 412, 3530-3536.	0.5	12
176	Ranking and Drawing in Subexponential Time. Lecture Notes in Computer Science, 2011, , 337-348.	1.0	6
177	Exact Algorithm for the Maximum Induced Planar Subgraph Problem. Lecture Notes in Computer Science, 2011, , 287-298.	1.0	12
178	Approximation Algorithms for Domination Search. Lecture Notes in Computer Science, 2011, , 130-141.	1.0	1
179	Enumerating Minimal Subset Feedback Vertex Sets. Lecture Notes in Computer Science, 2011, , 399-410.	1.0	4
180	Iterative compression and exact algorithms. Theoretical Computer Science, 2010, 411, 1045-1053.	0.5	31

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181	Efficient Exact Algorithms on Planar Graphs: Exploiting Sphere Cut Decompositions. <i>Algorithmica</i> , 2010, 58, 790-810.	1.0	71
182	Mixed search number and linear ϵ -width of interval and split graphs. <i>Networks</i> , 2010, 56, 207-214.	1.6	5
183	Parameterized algorithm for eternal vertex cover. <i>Information Processing Letters</i> , 2010, 110, 702-706.	0.4	21
184	Algorithm for finding k -vertex out-trees and its application to k -internal out-branching problem. <i>Journal of Computer and System Sciences</i> , 2010, 76, 650-662.	0.9	27
185	Pursuing a fast robber on a graph. <i>Theoretical Computer Science</i> , 2010, 411, 1167-1181.	0.5	54
186	Rank-width and tree-width of H -minor-free graphs. <i>European Journal of Combinatorics</i> , 2010, 31, 1617-1628.	0.5	21
187	Bidimensionality and Kernels. , 2010, , .		73
188	Intractability of Clique-Width Parameterizations. <i>SIAM Journal on Computing</i> , 2010, 39, 1941-1956.	0.8	57
189	Branching. <i>Texts in Theoretical Computer Science</i> , 2010, , 13-30.	0.5	3
190	Inclusion-Exclusion. <i>Texts in Theoretical Computer Science</i> , 2010, , 51-75.	0.5	0
191	Treewidth. <i>Texts in Theoretical Computer Science</i> , 2010, , 77-100.	0.5	2
192	Subset Convolution. <i>Texts in Theoretical Computer Science</i> , 2010, , 125-139.	0.5	0
193	Split and List. <i>Texts in Theoretical Computer Science</i> , 2010, , 153-160.	0.5	3
194	Conclusions, Open Problems and Further Directions. <i>Texts in Theoretical Computer Science</i> , 2010, , 187-188.	0.5	0
195	Exact Exponential Algorithms. <i>Texts in Theoretical Computer Science</i> , 2010, , .	0.5	267
196	An Exact Algorithm for Minimum Distortion Embedding. <i>Lecture Notes in Computer Science</i> , 2010, , 112-121.	1.0	2
197	Fast Exact Algorithms for Hamiltonicity in Claw-Free Graphs. <i>Lecture Notes in Computer Science</i> , 2010, , 44-53.	1.0	4
198	Sharp Separation and Applications to Exact and Parameterized Algorithms. <i>Lecture Notes in Computer Science</i> , 2010, , 72-83.	1.0	1

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199	Cops and Robber Game without Recharging. Lecture Notes in Computer Science, 2010, , 273-284.	1.0	4
200	Faster Parameterized Algorithms for Minor Containment. Lecture Notes in Computer Science, 2010, , 322-333.	1.0	5
201	The Curse of Connectivity: t-Total Vertex (Edge) Cover. Lecture Notes in Computer Science, 2010, , 34-43.	1.0	6
202	Protrusions in Graphs and Their Applications. Lecture Notes in Computer Science, 2010, , 3-3.	1.0	0
203	Guard Games on Graphs: Keep the Intruder Out!. Lecture Notes in Computer Science, 2010, , 147-158.	1.0	2
204	Nondeterministic Graph Searching: From Pathwidth to Treewidth. Algorithmica, 2009, 53, 358-373.	1.0	19
205	On Two Techniques of Combining Branching and Treewidth. Algorithmica, 2009, 54, 181-207.	1.0	84
206	Sort and Search: Exact algorithms for generalized domination. Information Processing Letters, 2009, 109, 795-798.	0.4	5
207	Computing branchwidth via efficient triangulations and blocks. Discrete Applied Mathematics, 2009, 157, 2726-2736.	0.5	9
208	(Meta) Kernelization. , 2009, , .		98
209	A measure & conquer approach for the analysis of exact algorithms. Journal of the ACM, 2009, 56, 1-32.	1.8	555
210	Spanning Directed Trees with Many Leaves. SIAM Journal on Discrete Mathematics, 2009, 23, 466-476.	0.4	28
211	Distortion Is Fixed Parameter Tractable. Lecture Notes in Computer Science, 2009, , 463-474.	1.0	8
212	Counting Subgraphs via Homomorphisms. Lecture Notes in Computer Science, 2009, , 71-82.	1.0	17
213	Contraction Bidimensionality: The Accurate Picture. Lecture Notes in Computer Science, 2009, , 706-717.	1.0	14
214	Three Complexity Results on Coloring P_k -Free Graphs. Lecture Notes in Computer Science, 2009, , 95-104.	1.0	13
215	A Linear Vertex Kernel for Maximum Internal Spanning Tree. Lecture Notes in Computer Science, 2009, , 275-282.	1.0	5
216	Improved algorithms for feedback vertex set problems. Journal of Computer and System Sciences, 2008, 74, 1188-1198.	0.9	98

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217	An annotated bibliography on guaranteed graph searching. Theoretical Computer Science, 2008, 399, 236-245.	0.5	255
218	Solving Connected Dominating Set Faster than $2n$. Algorithmica, 2008, 52, 153-166.	1.0	61
219	On the Minimum Feedback Vertex Set Problem: Exact and Enumeration Algorithms. Algorithmica, 2008, 52, 293-307.	1.0	92
220	Subexponential parameterized algorithms. Computer Science Review, 2008, 2, 29-39.	10.2	70
221	Exact Algorithms for Treewidth and Minimum Fill-In. SIAM Journal on Computing, 2008, 38, 1058-1079.	0.8	53
222	On tractability of Cops and Robbers game. International Federation for Information Processing, 2008, , 171-185.	0.4	13
223	Combinatorial bounds via measure and conquer. ACM Transactions on Algorithms, 2008, 5, 1-17.	0.9	76
224	Branchwidth of Graphs. , 2008, , 101-105.		1
225	Treewidth Computation and Extremal Combinatorics. Lecture Notes in Computer Science, 2008, , 210-221.	1.0	15
226	On the Complexity of Reconstructing H -free Graphs from Their Star Systems. , 2008, , 194-205.		1
227	Iterative Compression and Exact Algorithms. Lecture Notes in Computer Science, 2008, , 335-346.	1.0	7
228	Faster Steiner Tree Computation in Polynomial-Space. Lecture Notes in Computer Science, 2008, , 430-441.	1.0	8
229	How to Guard a Graph?. Lecture Notes in Computer Science, 2008, , 318-329.	1.0	6
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