

Fedor V Fomin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

296
papers

5,625
citations

38
h-index

66
g-index

320
ext. papers

6,410
ext. citations

0.9
avg, IF

5.99
L-index

#	Paper	IF	Citations
296	Parameterized Algorithms 2015 ,		650
295	A measure & conquer approach for the analysis of exact algorithms. <i>Journal of the ACM</i> , 2009 , 56, 1-32	2	454
294	An annotated bibliography on guaranteed graph searching. <i>Theoretical Computer Science</i> , 2008 , 399, 236-245	1.1	222
293	Subexponential parameterized algorithms on bounded-genus graphs and H -minor-free graphs. <i>Journal of the ACM</i> , 2005 , 52, 866-893	2	201
292	Exact Exponential Algorithms. <i>Texts in Theoretical Computer Science</i> , 2010 ,		200
291	A $\frac{5}{4}$ -Approximation Algorithm for Treewidth. <i>SIAM Journal on Computing</i> , 2016 , 45, 317-378	1.1	108
290	Efficient Computation of Representative Families with Applications in Parameterized and Exact Algorithms. <i>Journal of the ACM</i> , 2016 , 63, 1-60	2	91
289	Improved algorithms for feedback vertex set problems. <i>Journal of Computer and System Sciences</i> , 2008 , 74, 1188-1198	1	86
288	(Meta) Kernelization 2009 ,		79
287	On the Minimum Feedback Vertex Set Problem: Exact and Enumeration Algorithms. <i>Algorithmica</i> , 2008 , 52, 293-307	0.9	78
286	Fixed-parameter algorithms for (k, r) -center in planar graphs and map graphs. <i>ACM Transactions on Algorithms</i> , 2005 , 1, 33-47	1.2	72
285	On Two Techniques of Combining Branching and Treewidth. <i>Algorithmica</i> , 2009 , 54, 181-207	0.9	70
284	Bidimensionality and Kernels 2010 ,		66
283	Combinatorial bounds via measure and conquer. <i>ACM Transactions on Algorithms</i> , 2008 , 5, 1-17	1.2	66
282	Dominating Sets in Planar Graphs: Branch-Width and Exponential Speed-Up. <i>SIAM Journal on Computing</i> , 2006 , 36, 281-309	1.1	65
281	Measure and Conquer: Domination – A Case Study. <i>Lecture Notes in Computer Science</i> , 2005 , 191-203	0.9	63
280	2012 ,		61

279	(Meta) Kernelization. <i>Journal of the ACM</i> , 2016 , 63, 1-69	2	59
278	On the complexity of some colorful problems parameterized by treewidth. <i>Information and Computation</i> , 2011 , 209, 143-153	0.8	55
277	Subexponential parameterized algorithms. <i>Computer Science Review</i> , 2008 , 2, 29-39	8.3	55
276	Large Induced Subgraphs via Triangulations and CMSO. <i>SIAM Journal on Computing</i> , 2015 , 44, 54-87	1.1	54
275	Approximation algorithms for time-dependent orienteering. <i>Information Processing Letters</i> , 2002 , 83, 57-62	0.8	54
274	Exact (Exponential) Algorithms for the Dominating Set Problem. <i>Lecture Notes in Computer Science</i> , 2004 , 245-256	0.9	53
273	Treewidth computation and extremal combinatorics. <i>Combinatorica</i> , 2012 , 32, 289-308	0.9	52
272	Efficient Exact Algorithms on Planar Graphs: Exploiting Sphere Cut Decompositions. <i>Algorithmica</i> , 2010 , 58, 790-810	0.9	52
271	Solving Connected Dominating Set Faster than $2n$. <i>Algorithmica</i> , 2008 , 52, 153-166	0.9	52
270	Kernels for feedback arc set in tournaments. <i>Journal of Computer and System Sciences</i> , 2011 , 77, 1071-1078		51
269	Contraction obstructions for treewidth. <i>Journal of Combinatorial Theory Series B</i> , 2011 , 101, 302-314	1.1	51
268	Bidimensional Parameters and Local Treewidth. <i>SIAM Journal on Discrete Mathematics</i> , 2004 , 18, 501-516	1.7	51
267	Kernel(s) for problems with no kernel. <i>ACM Transactions on Algorithms</i> , 2012 , 8, 1-19	1.2	48
266	Pathwidth of cubic graphs and exact algorithms. <i>Information Processing Letters</i> , 2006 , 97, 191-196	0.8	48
265	A linear vertex kernel for maximum internal spanning tree. <i>Journal of Computer and System Sciences</i> , 2013 , 79, 1-6	1	47
264	Exact Algorithms for Treewidth and Minimum Fill-In. <i>SIAM Journal on Computing</i> , 2008 , 38, 1058-1079	1.1	45
263	Intractability of Clique-Width Parameterizations. <i>SIAM Journal on Computing</i> , 2010 , 39, 1941-1956	1.1	44
262	New upper bounds on the decomposability of planar graphs. <i>Journal of Graph Theory</i> , 2006 , 51, 53-81	0.8	44

261	Measure and conquer 2006 ,		43
260	Pursuing a fast robber on a graph. <i>Theoretical Computer Science</i> , 2010 , 411, 1167-1181	1.1	42
259	Preprocessing subgraph and minor problems: When does a small vertex cover help?. <i>Journal of Computer and System Sciences</i> , 2014 , 80, 468-495	1	41
258	Hitting Forbidden Minors: Approximation and Kernelization. <i>SIAM Journal on Discrete Mathematics</i> , 2016 , 30, 383-410	0.7	38
257	Equitable colorings of bounded treewidth graphs. <i>Theoretical Computer Science</i> , 2005 , 349, 22-30	1.1	38
256	Exact (Exponential) Algorithms for Treewidth and Minimum Fill-In. <i>Lecture Notes in Computer Science</i> , 2004 , 568-580	0.9	34
255	Faster algorithms for finding and counting subgraphs. <i>Journal of Computer and System Sciences</i> , 2012 , 78, 698-706	1	33
254	Kernelization: Theory of Parameterized Preprocessing 2018 ,		31
253	A Note on Exact Algorithms for Vertex Ordering Problems on Graphs. <i>Theory of Computing Systems</i> , 2012 , 50, 420-432	0.6	30
252	An $O(c^k n)$ 5-Approximation Algorithm for Treewidth 2013 ,		30
251	Efficient Computation of Representative Sets with Applications in Parameterized and Exact Algorithms 2014 ,		30
250	Local search: Is brute-force avoidable?. <i>Journal of Computer and System Sciences</i> , 2012 , 78, 707-719	1	29
249	Connected graph searching. <i>Information and Computation</i> , 2012 , 219, 1-16	0.8	29
248	Subexponential Parameterized Algorithm for Minimum Fill-In. <i>SIAM Journal on Computing</i> , 2013 , 42, 2197-2216	29	
247	Efficient Exact Algorithms on Planar Graphs: Exploiting Sphere Cut Branch Decompositions. <i>Lecture Notes in Computer Science</i> , 2005 , 95-106	0.9	29
246	Representative Families of Product Families. <i>ACM Transactions on Algorithms</i> , 2017 , 13, 1-29	1.2	28
245	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	1	28
244	Graph Searching and Interval Completion. <i>SIAM Journal on Discrete Mathematics</i> , 2000 , 13, 454-464	0.7	27

243	Enumerating Minimal Subset Feedback Vertex Sets. <i>Algorithmica</i> , 2014 , 69, 216-231	0.9	26
242	A Polynomial Kernel for Proper Interval Vertex Deletion. <i>SIAM Journal on Discrete Mathematics</i> , 2013 , 27, 1964-1976	0.7	26
241	Approximating minimum cocolorings. <i>Information Processing Letters</i> , 2002 , 84, 285-290	0.8	26
240	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	1	25
239	Sharp Separation and Applications to Exact and Parameterized Algorithms. <i>Algorithmica</i> , 2012 , 63, 692-706	0.8	24
238	Subexponential algorithms for partial cover problems. <i>Information Processing Letters</i> , 2011 , 111, 814-818	0.8	24
237	Spanning Directed Trees with Many Leaves. <i>SIAM Journal on Discrete Mathematics</i> , 2009 , 23, 466-476	0.7	24
236	Three complexity results on coloring P_k -free graphs. <i>European Journal of Combinatorics</i> , 2013 , 34, 609-619	0.7	22
235	Backbone colorings for graphs: Tree and path backbones. <i>Journal of Graph Theory</i> , 2007 , 55, 137-152	0.8	22
234	Approximation of pathwidth of outerplanar graphs. <i>Journal of Algorithms</i> , 2002 , 43, 190-200		22
233	On Exact Algorithms for Treewidth. <i>Lecture Notes in Computer Science</i> , 2006 , 672-683	0.9	22
232	Iterative compression and exact algorithms. <i>Theoretical Computer Science</i> , 2010 , 411, 1045-1053	1.1	21
231	On exact algorithms for treewidth. <i>ACM Transactions on Algorithms</i> , 2012 , 9, 1-23	1.2	20
230	Fast Parameterized Algorithms for Graphs on Surfaces: Linear Kernel and Exponential Speed-Up. <i>Lecture Notes in Computer Science</i> , 2004 , 581-592	0.9	20
229	Almost Optimal Lower Bounds for Problems Parameterized by Clique-Width. <i>SIAM Journal on Computing</i> , 2014 , 43, 1541-1563	1.1	19
228	Catalan structures and dynamic programming in H-minor-free graphs. <i>Journal of Computer and System Sciences</i> , 2012 , 78, 1606-1622	1	19
227	Bidimensionality and FPTAS 2011 ,		19
226	Nondeterministic Graph Searching: From Pathwidth to Treewidth. <i>Algorithmica</i> , 2009 , 53, 358-373	0.9	19

225	On the monotonicity of games generated by symmetric submodular functions. <i>Discrete Applied Mathematics</i> , 2003 , 131, 323-335	1	19
224	Bidimensionality and Geometric Graphs 2012 ,		19
223	Finding a Minimum Feedback Vertex Set in Time ((1.7548^n)). <i>Lecture Notes in Computer Science</i> , 2006 , 184-191	0.9	19
222	Counting Subgraphs via Homomorphisms. <i>SIAM Journal on Discrete Mathematics</i> , 2012 , 26, 695-717	0.7	17
221	Faster parameterized algorithms for minor containment. <i>Theoretical Computer Science</i> , 2011 , 412, 7018-7028		17
220	Implicit branching and parameterized partial cover problems. <i>Journal of Computer and System Sciences</i> , 2011 , 77, 1159-1171	1	17
219	Rank-width and tree-width of . <i>European Journal of Combinatorics</i> , 2010 , 31, 1617-1628	0.7	17
218	Connected Graph Searching in Outerplanar Graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2005 , 22, 213-216	0.3	17
217	Representative Sets of Product Families. <i>Lecture Notes in Computer Science</i> , 2014 , 443-454	0.9	17
216	Parameterized algorithm for eternal vertex cover. <i>Information Processing Letters</i> , 2010 , 110, 702-706	0.8	16
215	Bounding the Number of Minimal Dominating Sets: A Measure and Conquer Approach. <i>Lecture Notes in Computer Science</i> , 2005 , 573-582	0.9	16
214	Fast Subexponential Algorithm for Non-local Problems on Graphs of Bounded Genus. <i>Lecture Notes in Computer Science</i> , 2006 , 172-183	0.9	16
213	Fully Polynomial-Time Parameterized Computations for Graphs and Matrices of Low Treewidth. <i>ACM Transactions on Algorithms</i> , 2018 , 14, 1-45	1.2	15
212	Parameterized complexity of firefighting. <i>Journal of Computer and System Sciences</i> , 2014 , 80, 1285-1297 ₁		15
211	Exploring the Subexponential Complexity of Completion Problems. <i>ACM Transactions on Computation Theory</i> , 2015 , 7, 1-38	0.6	15
210	Spanners in sparse graphs. <i>Journal of Computer and System Sciences</i> , 2011 , 77, 1108-1119	1	15
209	Exact Algorithms for Graph Homomorphisms. <i>Theory of Computing Systems</i> , 2007 , 41, 381-393	0.6	15
208	Graph Searching, Elimination Trees, and a Generalization of Bandwidth. <i>Algorithmica</i> , 2005 , 41, 73-87	0.9	15

207	Exact algorithms via monotone local search 2016 ,		15
206	Improved Algorithms for the Feedback Vertex Set Problems. <i>Lecture Notes in Computer Science</i> , 2007 , 422-433	0.9	14
205	Optimal Linear Arrangement of Interval Graphs. <i>Lecture Notes in Computer Science</i> , 2006 , 267-279	0.9	14
204	Metric Dimension of Bounded Tree-length Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2017 , 31, 1217-1243	1.2	13
203	On distance constrained labeling of disk graphs. <i>Theoretical Computer Science</i> , 2004 , 326, 261-292	1.1	13
202	More About Subcolorings. <i>Computing (Vienna/New York)</i> , 2002 , 69, 187-203	2.2	13
201	Tree decompositions with small cost. <i>Discrete Applied Mathematics</i> , 2005 , 145, 143-154	1	13
200	Three Complexity Results on Coloring P_k -Free Graphs. <i>Lecture Notes in Computer Science</i> , 2009 , 95-104	0.9	13
199	Parameterized complexity of the anchored k -core problem for directed graphs. <i>Information and Computation</i> , 2016 , 247, 11-22	0.8	12
198	Exact exponential algorithms. <i>Communications of the ACM</i> , 2013 , 56, 80-88	2.5	12
197	Treewidth Computation and Extremal Combinatorics. <i>Lecture Notes in Computer Science</i> , 2008 , 210-221	0.9	12
196	Counting Subgraphs via Homomorphisms. <i>Lecture Notes in Computer Science</i> , 2009 , 71-82	0.9	12
195	To satisfy impatient Web surfers is hard. <i>Theoretical Computer Science</i> , 2014 , 526, 1-17	1.1	11
194	A 3-approximation for the pathwidth of Halin graphs. <i>Journal of Discrete Algorithms</i> , 2006 , 4, 499-510		11
193	AT-free graphs: linear bounds for the oriented diameter. <i>Discrete Applied Mathematics</i> , 2004 , 141, 135-148		11
192	On the Complexity of Some Colorful Problems Parameterized by Treewidth. <i>Lecture Notes in Computer Science</i> , 2007 , 366-377	0.9	11
191	Contraction Bidimensionality: The Accurate Picture. <i>Lecture Notes in Computer Science</i> , 2009 , 706-717	0.9	11
190	Strengthening Erdős property for minor-closed graph classes. <i>Journal of Graph Theory</i> , 2011 , 66, 235-240	0.8	10

189	Planar Graph Coloring Avoiding Monochromatic Subgraphs: Trees and Paths Make It Difficult. <i>Algorithmica</i> , 2006 , 44, 343-361	0.9	10
188	Subexponential Parameterized Algorithm for Minimum Fill-in 2012 ,		10
187	Parameterized Complexity of Firefighting Revisited. <i>Lecture Notes in Computer Science</i> , 2012 , 13-26	0.9	10
186	Parameterized Algorithms to Preserve Connectivity. <i>Lecture Notes in Computer Science</i> , 2014 , 800-811	0.9	10
185	Faster exact algorithms for some terminal set problems. <i>Journal of Computer and System Sciences</i> , 2017 , 88, 195-207	1	9
184	Exact Algorithms via Monotone Local Search. <i>Journal of the ACM</i> , 2019 , 66, 1-23	2	9
183	The Firefighter problem on graph classes. <i>Theoretical Computer Science</i> , 2016 , 613, 38-50	1.1	9
182	Computing Optimal Steiner Trees in Polynomial Space. <i>Algorithmica</i> , 2013 , 65, 584-604	0.9	9
181	A Subexponential Parameterized Algorithm for Proper Interval Completion. <i>SIAM Journal on Discrete Mathematics</i> , 2015 , 29, 1961-1987	0.7	9
180	Spanners of bounded degree graphs. <i>Information Processing Letters</i> , 2011 , 111, 142-144	0.8	9
179	On tractability of Cops and Robbers game. <i>International Federation for Information Processing</i> , 2008 , 171-185		9
178	On the domination search number. <i>Discrete Applied Mathematics</i> , 2003 , 127, 565-580	1	9
177	On the parameterized complexity of vertex cover and edge cover with connectivity constraints. <i>Theoretical Computer Science</i> , 2015 , 565, 1-15	1.1	8
176	Exact Algorithms for Terrain Guarding. <i>ACM Transactions on Algorithms</i> , 2018 , 14, 1-20	1.2	8
175	Distortion is Fixed Parameter Tractable. <i>ACM Transactions on Computation Theory</i> , 2013 , 5, 1-20	0.6	8
174	An exact algorithm for minimum distortion embedding. <i>Theoretical Computer Science</i> , 2011 , 412, 3530-3536		8
173	Tight Lower Bounds on Graph Embedding Problems. <i>Journal of the ACM</i> , 2017 , 64, 1-22	2	8
172	Exact Algorithm for the Maximum Induced Planar Subgraph Problem. <i>Lecture Notes in Computer Science</i> , 2011 , 287-298	0.9	8

171	Subexponential Parameterized Algorithms for Planar and Apex-Minor-Free Graphs via Low Treewidth Pattern Covering 2016 ,		8
170	Branching and Treewidth Based Exact Algorithms. <i>Lecture Notes in Computer Science</i> , 2006 , 16-25	0.9	8
169	Algorithms Parameterized by Vertex Cover and Modular Width, Through Potential Maximal Cliques. <i>Algorithmica</i> , 2018 , 80, 1146-1169	0.9	7
168	Cops and Robber Game Without Recharging. <i>Theory of Computing Systems</i> , 2012 , 50, 611-620	0.6	7
167	Beyond bidimensionality: Parameterized subexponential algorithms on directed graphs. <i>Information and Computation</i> , 2013 , 233, 60-70	0.8	7
166	Parameterized Complexity of the Spanning Tree Congestion Problem. <i>Algorithmica</i> , 2012 , 64, 85-111	0.9	7
165	Computing branchwidth via efficient triangulations and blocks. <i>Discrete Applied Mathematics</i> , 2009 , 157, 2726-2736	1	7
164	Improved Exact Algorithms for Counting 3- and 4-Colorings. <i>Lecture Notes in Computer Science</i> , 2007 , 65-74	0.9	7
163	Solving Connected Dominating Set Faster Than $2n$. <i>Lecture Notes in Computer Science</i> , 2006 , 152-163	0.9	7
162	Parameterized Complexity of Secluded Connectivity Problems. <i>Theory of Computing Systems</i> , 2017 , 61, 795-819	0.6	6
161	On the Tractability of Optimization Problems on H-Graphs. <i>Algorithmica</i> , 2020 , 82, 2432-2473	0.9	6
160	Kernels for (Connected) Dominating Set on Graphs with Excluded Topological Minors. <i>ACM Transactions on Algorithms</i> , 2018 , 14, 1-31	1.2	6
159	Long directed (s,t)-path: FPT algorithm. <i>Information Processing Letters</i> , 2018 , 140, 8-12	0.8	6
158	Making Life Easier for Firefighters. <i>Lecture Notes in Computer Science</i> , 2012 , 177-188	0.9	6
157	How to Guard a Graph?. <i>Algorithmica</i> , 2011 , 61, 839-856	0.9	6
156	Eliminating graphs by means of parallel knock-out schemes. <i>Discrete Applied Mathematics</i> , 2007 , 155, 92-102	1	6
155	Note on a helicopter search problem on graphs. <i>Discrete Applied Mathematics</i> , 1999 , 95, 241-249	1	6
154	Jungles, bundles, and fixed-parameter tractability 2013 ,		6

153	Algorithms Parameterized by Vertex Cover and Modular Width, through Potential Maximal Cliques. <i>Lecture Notes in Computer Science</i> , 2014 , 182-193	0.9	6
152	How to Guard a Graph?. <i>Lecture Notes in Computer Science</i> , 2008 , 318-329	0.9	6
151	Distortion Is Fixed Parameter Tractable. <i>Lecture Notes in Computer Science</i> , 2009 , 463-474	0.9	6
150	The Curse of Connectivity: t-Total Vertex (Edge) Cover. <i>Lecture Notes in Computer Science</i> , 2010 , 34-43	0.9	6
149	On the Parameterized Complexity of Cutting a Few Vertices from a Graph. <i>Lecture Notes in Computer Science</i> , 2013 , 421-432	0.9	6
148	Largest Chordal and Interval Subgraphs Faster than (2^n) . <i>Algorithmica</i> , 2016 , 76, 569-594	0.9	5
147	A Subexponential Parameterized Algorithm for Proper Interval Completion. <i>Lecture Notes in Computer Science</i> , 2014 , 173-184	0.9	5
146	Sort and Search: Exact algorithms for generalized domination. <i>Information Processing Letters</i> , 2009 , 109, 795-798	0.8	5
145	Mixed search number and linear-width of interval and split graphs. <i>Networks</i> , 2010 , 56, 207-214	1.6	5
144	On self duality of pathwidth in polyhedral graph embeddings. <i>Journal of Graph Theory</i> , 2007 , 55, 42-54	0.8	5
143	Subexponential Parameterized Algorithms. <i>Lecture Notes in Computer Science</i> , 2007 , 15-27	0.9	5
142	Better Algorithms and Bounds for Directed Maximum Leaf Problems. <i>Lecture Notes in Computer Science</i> , 2007 , 316-327	0.9	5
141	Faster Steiner Tree Computation in Polynomial-Space. <i>Lecture Notes in Computer Science</i> , 2008 , 430-441	0.9	5
140	Ranking and Drawing in Subexponential Time. <i>Lecture Notes in Computer Science</i> , 2011 , 337-348	0.9	5
139	k-Gap Interval Graphs. <i>Lecture Notes in Computer Science</i> , 2012 , 350-361	0.9	5
138	Subexponential Parameterized Algorithm for Computing the Cutwidth of a Semi-complete Digraph. <i>Lecture Notes in Computer Science</i> , 2013 , 505-516	0.9	5
137	Metric Dimension of Bounded Width Graphs. <i>Lecture Notes in Computer Science</i> , 2015 , 115-126	0.9	4
136	Fully polynomial-time parameterized computations for graphs and matrices of low treewidth 2017 ,		4

135	How to hunt an invisible rabbit on a graph. <i>European Journal of Combinatorics</i> , 2016 , 52, 12-26	0.7	4
134	Parameterized complexity of connected even/odd subgraph problems. <i>Journal of Computer and System Sciences</i> , 2014 , 80, 157-179	1	4
133	Exact Algorithms for Finding Longest Cycles in Claw-Free Graphs. <i>Algorithmica</i> , 2013 , 65, 129-145	0.9	4
132	Quadratic Upper Bounds on the Erdős Property for a Generalization of Packing and Covering Cycles. <i>Journal of Graph Theory</i> , 2013 , 74, 417-424	0.8	4
131	Cops and Robber with Constraints. <i>SIAM Journal on Discrete Mathematics</i> , 2012 , 26, 571-590	0.7	4
130	On the complexity of reconstructing H-free graphs from their Star Systems. <i>Journal of Graph Theory</i> , 2011 , 68, 113-124	0.8	4
129	Algorithms for graphs with small octopus. <i>Discrete Applied Mathematics</i> , 2004 , 134, 105-128	1	4
128	Hitting topological minors is FPT 2020 ,		4
127	Mixed Search Number and Linear-Width of Interval and Split Graphs 2007 , 304-315		4
126	Faster Exact Algorithms for Some Terminal Set Problems. <i>Lecture Notes in Computer Science</i> , 2013 , 150-160		4
125	Algorithm for Finding k-Vertex Out-trees and Its Application to k-Internal Out-branching Problem. <i>Lecture Notes in Computer Science</i> , 2009 , 37-46	0.9	4
124	Faster Parameterized Algorithms for Minor Containment. <i>Lecture Notes in Computer Science</i> , 2010 , 322-333		4
123	Preprocessing Subgraph and Minor Problems: When Does a Small Vertex Cover Help?. <i>Lecture Notes in Computer Science</i> , 2012 , 97-108	0.9	4
122	Parameterized Single-Exponential Time Polynomial Space Algorithm for Steiner Tree. <i>Lecture Notes in Computer Science</i> , 2015 , 494-505	0.9	4
121	Vertex Cover Structural Parameterization Revisited. <i>Lecture Notes in Computer Science</i> , 2016 , 171-182	0.9	4
120	Kernelization Methods for Fixed-Parameter Tractability 2020		4
119	Enumerating Minimal Subset Feedback Vertex Sets. <i>Lecture Notes in Computer Science</i> , 2011 , 399-410	0.9	4
118	Parameterized low-rank binary matrix approximation. <i>Data Mining and Knowledge Discovery</i> , 2020 , 34, 478-532	5.6	4

117	Approximation Schemes for Low-rank Binary Matrix Approximation Problems. <i>ACM Transactions on Algorithms</i> , 2020 , 16, 1-39	1.2	4
116	On width measures and topological problems on semi-complete digraphs. <i>Journal of Combinatorial Theory Series B</i> , 2019 , 138, 78-165	1.1	3
115	Subexponential Parameterized Algorithm for Interval Completion. <i>ACM Transactions on Algorithms</i> , 2018 , 14, 1-62	1.2	3
114	Computing Tree-Depth Faster Than $(2^{\{n\}})$. <i>Algorithmica</i> , 2015 , 73, 202-216	0.9	3
113	Large induced subgraphs via triangulations and CMSO 2014 ,		3
112	Long Circuits and Large Euler Subgraphs. <i>SIAM Journal on Discrete Mathematics</i> , 2014 , 28, 878-892	0.7	3
111	Split and List. <i>Texts in Theoretical Computer Science</i> , 2010 , 153-160		3
110	Bidimensional Parameters and Local Treewidth. <i>Lecture Notes in Computer Science</i> , 2004 , 109-118	0.9	3
109	Spanners in Sparse Graphs. <i>Lecture Notes in Computer Science</i> , 2008 , 597-608	0.9	3
108	Computing Tree-Depth Faster Than $2n$. <i>Lecture Notes in Computer Science</i> , 2013 , 137-149	0.9	3
107	Iterative Compression and Exact Algorithms. <i>Lecture Notes in Computer Science</i> , 2008 , 335-346	0.9	3
106	A Linear Vertex Kernel for Maximum Internal Spanning Tree. <i>Lecture Notes in Computer Science</i> , 2009 , 275-282	0.9	3
105	Fast Exact Algorithms for Hamiltonicity in Claw-Free Graphs. <i>Lecture Notes in Computer Science</i> , 2010 , 44-53	0.9	3
104	To Satisfy Impatient Web Surfers Is Hard. <i>Lecture Notes in Computer Science</i> , 2012 , 166-176	0.9	3
103	Fast Minor Testing in Planar Graphs. <i>Lecture Notes in Computer Science</i> , 2010 , 97-109	0.9	3
102	Path Contraction Faster than 2^n . <i>SIAM Journal on Discrete Mathematics</i> , 2020 , 34, 1302-1325	0.7	3
101	Clique-width III. <i>ACM Transactions on Algorithms</i> , 2019 , 15, 1-27	1.2	3
100	On the Parameterized Complexity of Graph Modification to First-Order Logic Properties. <i>Theory of Computing Systems</i> , 2020 , 64, 251-271	0.6	3

99	Parameterized Single-Exponential Time Polynomial Space Algorithm for Steiner Tree. <i>SIAM Journal on Discrete Mathematics</i> , 2019 , 33, 327-345	0.7	2
98	Minimum Fill-in of Sparse Graphs: Kernelization and Approximation. <i>Algorithmica</i> , 2015 , 71, 1-20	0.9	2
97	Subgraph Complementation. <i>Algorithmica</i> , 2020 , 82, 1859-1880	0.9	2
96	Kernelization of Graph Hamiltonicity: Proper H-Graphs. <i>Lecture Notes in Computer Science</i> , 2019 , 296-310	0.9	2
95	Fast Minor Testing in Planar Graphs. <i>Algorithmica</i> , 2012 , 64, 69-84	0.9	2
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