Fedor V Fomin

List of Publications by Year in Descending Order

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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 Complexity of Elimination Distance to First-Order Logic Properties. *ACM Transactions on Computational Logic*, **2022**, 23, 1-35	0.9	
295	Lossy Kernelization of Same-Size Clustering. *Lecture Notes in Computer Science*, **2022**, 96-114	0.9	
294	Multiplicative Parameterization Above a Guarantee. *ACM Transactions on Computation Theory*, **2021**, 13, 1-16	0.6	
293	Subexponential Parameterized Algorithms and Kernelization on Almost Chordal Graphs. *Algorithmica*, **2021**, 83, 2170-2214	0.9	
292	Computation of Hadwiger Number and Related Contraction Problems. *ACM Transactions on Computation Theory*, **2021**, 13, 1-25	0.6	
291	Parameterized Complexity of Elimination Distance to First-Order Logic Properties **2021**,		1
290	Can Romeo and Juliet Meet? or Rendezvous Games with Adversaries on Graphs. *Lecture Notes in Computer Science*, **2021**, 308-320	0.9	
289	Parameterized Complexity of Categorical Clustering with Size Constraints. *Lecture Notes in Computer Science*, **2021**, 385-398	0.9	
288	Kernelization of Graph Hamiltonicity: Proper H-Graphs. *SIAM Journal on Discrete Mathematics*, **2021**, 35, 840-892	0.7	
287	On the Tractability of Optimization Problems on H-Graphs. *Algorithmica*, **2020**, 82, 2432-2473	0.9	6
286	Subgraph Complementation. *Algorithmica*, **2020**, 82, 1859-1880	0.9	2
285	Hitting topological minors is FPT **2020**,		4
284	Bidimensionality and Kernels. *SIAM Journal on Computing*, **2020**, 49, 1397-1422	1.1	1
283	Knot Diagrams of Treewidth Two. *Lecture Notes in Computer Science*, **2020**, 80-91	0.9	
282	Subexponential Algorithms for Rectilinear Steiner Tree and Arborescence Problems. *ACM Transactions on Algorithms*, **2020**, 16, 1-37	1.2	1
281	On the Parameterized Complexity of the Expected Coverage Problem. *Lecture Notes in Computer Science*, **2020**, 224-236	0.9	
280	Parameterized low-rank binary matrix approximation. *Data Mining and Knowledge Discovery*, **2020**, 34, 478-532	5.6	4

279	On the parameterized complexity of [1,j]-domination problems. *Theoretical Computer Science*, **2020**, 804, 207-218	1.1	2
278	Approximation Schemes for Low-rank Binary Matrix Approximation Problems. *ACM Transactions on Algorithms*, **2020**, 16, 1-39	1.2	4
277	CSR 2018 Special Issue on TOCS. *Theory of Computing Systems*, **2020**, 64, 1-2	0.6	
276	Going Far from Degeneracy. *SIAM Journal on Discrete Mathematics*, **2020**, 34, 1587-1601	0.7	1
275	Path Contraction Faster than 2^n. *SIAM Journal on Discrete Mathematics*, **2020**, 34, 1302-1325	0.7	3
274	On the Parameterized Complexity of Graph Modification to First-Order Logic Properties. *Theory of Computing Systems*, **2020**, 64, 251-271	0.6	3
273	Editing to Connected F-Degree Graph. *SIAM Journal on Discrete Mathematics*, **2019**, 33, 795-836	0.7	0
272	On width measures and topological problems on semi-complete digraphs. *Journal of Combinatorial Theory Series B*, **2019**, 138, 78-165	1.1	3
271	Parameterized Single-Exponential Time Polynomial Space Algorithm for Steiner Tree. *SIAM Journal on Discrete Mathematics*, **2019**, 33, 327-345	0.7	2
270	Exact Algorithms via Monotone Local Search. *Journal of the ACM*, **2019**, 66, 1-23	2	9
269	Finding, Hitting and Packing Cycles in Subexponential Time on Unit Disk Graphs. *Discrete and Computational Geometry*, **2019**, 62, 879-911	0.6	1
268	A Fixed-Parameter Perspective on #BIS. *Algorithmica*, **2019**, 81, 3844-3864	0.9	1
267	Kernelization of Graph Hamiltonicity: Proper H-Graphs. *Lecture Notes in Computer Science*, **2019**, 296-310	0.9	2
266	Spanning Circuits in Regular Matroids. *ACM Transactions on Algorithms*, **2019**, 15, 1-38	1.2	1
265	Finding Detours is Fixed-Parameter Tractable. *SIAM Journal on Discrete Mathematics*, **2019**, 33, 2326-2345	0.7	1
264	Clique-width III. *ACM Transactions on Algorithms*, **2019**, 15, 1-27	1.2	3
263	Subquadratic Kernels for Implicit 3-H itting S et and 3-S et P acking Problems. *ACM Transactions on Algorithms*, **2019**, 15, 1-44	1.2	1
262	Kernels for (Connected) Dominating Set on Graphs with Excluded Topological Minors. *ACM Transactions on Algorithms*, **2018**, 14, 1-31	1.2	6

261	Preface to Special Issue Dedicated to the 60th Birthday of Gregory Gutin. *Algorithmica*, **2018**, 80, 2513-2515		3
260	Algorithms Parameterized by Vertex Cover and Modular Width, Through Potential Maximal Cliques. *Algorithmica*, **2018**, 80, 1146-1169	0.9	7
259	Long directed (s,t)-path: FPT algorithm. *Information Processing Letters*, **2018**, 140, 8-12	0.8	6
258	Matrix Rigidity from the Viewpoint of Parameterized Complexity. *SIAM Journal on Discrete Mathematics*, **2018**, 32, 966-985	0.7	1
257	Exact Algorithms for Terrain Guarding. *ACM Transactions on Algorithms*, **2018**, 14, 1-20	1.2	8
256	Subexponential Parameterized Algorithm for I nterval C ompletion. *ACM Transactions on Algorithms* , **2018**, 14, 1-62	1.2	3
255	Fully Polynomial-Time Parameterized Computations for Graphs and Matrices of Low Treewidth. *ACM Transactions on Algorithms*, **2018**, 14, 1-45	1.2	15
254	Kernelization: Theory of Parameterized Preprocessing **2018**,		31
253	Polynomial Parameter Transformation **2018**, 389-397		
252	Structured Connectivity Augmentation. *SIAM Journal on Discrete Mathematics*, **2018**, 32, 2612-2635	0.7	
251	Covering Vectors by Spaces: Regular Matroids. *SIAM Journal on Discrete Mathematics*, **2018**, 32, 2512-2565	0.7	
250	What Is a Kernel? **2018**, 1-12		
249	Warm Up **2018**, 15-31		
248	Inductive Priorities **2018**, 32-49		
247	Crown Decomposition **2018**, 50-60		
246	Expansion Lemma **2018**, 61-83		
245	Hypertrees **2018**, 105-120		
244	Sunflower Lemma **2018**, 121-132		

243	Matroids **2018**, 164-182		
242	Representative Families **2018**, 183-216		
241	Greedy Packing **2018**, 217-236		
240	Euler's Formula **2018**, 237-254		
239	Introduction to Treewidth **2018**, 257-296		
238	Bidimensionality and Protrusions **2018**, 297-315		
237	Surgery on Graphs **2018**, 316-356		
236	Framework **2018**, 359-376		
235	Instance Selectors **2018**, 377-388		
234	Polynomial Lower Bounds **2018**, 398-411		
233	Extending Distillation **2018**, 412-426		
232	Turing Kernelization **2018**, 429-439		
231	Lossy Kernelization **2018**, 440-466		
230	Graphs and SAT Notation **2018**, 474-476		
229	Problem Definitions **2018**, 477-482		
228	Parameterized Complexity of Secluded Connectivity Problems. *Theory of Computing Systems*, **2017**, 61, 795-819	0.6	6
227	Faster exact algorithms for some terminal set problems. *Journal of Computer and System Sciences*, **2017**, 88, 195-207	1	9
226	Representative Families of Product Families. *ACM Transactions on Algorithms*, **2017**, 13, 1-29	1.2	28

225	Fully polynomial-time parameterized computations for graphs and matrices of low treewidth **2017**,		4
224	Metric Dimension of Bounded Tree-length Graphs. *SIAM Journal on Discrete Mathematics*, **2017**, 31, 1217-1243	0.7	13
223	Parameterized Complexity of Superstring Problems. *Algorithmica*, **2017**, 79, 798-813	0.9	
222	Tight Lower Bounds on Graph Embedding Problems. *Journal of the ACM*, **2017**, 64, 1-22	2	8
221	Hitting Forbidden Minors: Approximation and Kernelization. *SIAM Journal on Discrete Mathematics*, **2016**, 30, 383-410	0.7	38
220	Largest Chordal and Interval Subgraphs Faster than (2^n). *Algorithmica*, **2016**, 76, 569-594	0.9	5
219	Parameterized complexity of the anchored k-core problem for directed graphs. *Information and Computation*, **2016**, 247, 11-22	0.8	12
218	The Firefighter problem on graph classes. *Theoretical Computer Science*, **2016**, 613, 38-50	1.1	9
217	How to hunt an invisible rabbit on a graph. *European Journal of Combinatorics*, **2016**, 52, 12-26	0.7	4
216	Vertex Cover Structural Parameterization Revisited. *Lecture Notes in Computer Science*, **2016**, 171-182	0.9	4
215	Exact algorithms via monotone local search **2016**,		15
214	Subexponential Parameterized Algorithms for Planar and Apex-Minor-Free Graphs via Low Treewidth Pattern Covering **2016**,		8
213	(Meta) Kernelization. *Journal of the ACM*, **2016**, 63, 1-69	2	59
212	A $c^k n$ 5-Approximation Algorithm for Treewidth. *SIAM Journal on Computing*, **2016**, 45, 317-378	1.1	108
211	Efficient Computation of Representative Families with Applications in Parameterized and Exact Algorithms. *Journal of the ACM*, **2016**, 63, 1-60	2	91
210	Graph Modification Problems: A Modern Perspective. *Lecture Notes in Computer Science*, **2015**, 3-6	0.9	1
209	Parameterized Algorithms **2015**,		650
208	Large Induced Subgraphs via Triangulations and CMSO. *SIAM Journal on Computing*, **2015**, 44, 54-87	1.1	54

207	Lower Bounds for the Graph Homomorphism Problem. *Lecture Notes in Computer Science*, **2015**, 481-493	0.9	0
206	Metric Dimension of Bounded Width Graphs. *Lecture Notes in Computer Science*, **2015**, 115-126	0.9	4
205	On the parameterized complexity of vertex cover and edge cover with connectivity constraints. *Theoretical Computer Science*, **2015**, 565, 1-15	1.1	8
204	Minimum Fill-in of Sparse Graphs: Kernelization and Approximation. *Algorithmica*, **2015**, 71, 1-20	0.9	2
203	Exploring the Subexponential Complexity of Completion Problems. *ACM Transactions on Computation Theory*, **2015**, 7, 1-38	0.6	15
202	Minimizing Rosenthal Potential in Multicast Games. *Theory of Computing Systems*, **2015**, 57, 81-96	0.6	
201	Computing Tree-Depth Faster Than (2^{n}). *Algorithmica*, **2015**, 73, 202-216	0.9	3
200	A Subexponential Parameterized Algorithm for Proper Interval Completion. *SIAM Journal on Discrete Mathematics*, **2015**, 29, 1961-1987	0.7	9
199	Parameterized Single-Exponential Time Polynomial Space Algorithm for Steiner Tree. *Lecture Notes in Computer Science*, **2015**, 494-505	0.9	4
198	Parameterized Complexity of Superstring Problems. *Lecture Notes in Computer Science*, **2015**, 89-99	0.9	
197	Parameterized complexity of connected even/odd subgraph problems. *Journal of Computer and System Sciences*, **2014**, 80, 157-179	1	4
196	Parameterized complexity of firefighting. *Journal of Computer and System Sciences*, **2014**, 80, 1285-1297	1	15
195	Preprocessing subgraph and minor problems: When does a small vertex cover help?. *Journal of Computer and System Sciences*, **2014**, 80, 468-495	1	41
194	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	28
193	Efficient Computation of Representative Sets with Applications in Parameterized and Exact Algorithms **2014**,		30
192	Large induced subgraphs via triangulations and CMSO **2014**,		3
191	A Subexponential Parameterized Algorithm for Proper Interval Completion. *Lecture Notes in Computer Science*, **2014**, 173-184	0.9	5
190	Social choice meets graph drawing: How to get subexponential time algorithms for ranking and drawing problems. *Tsinghua Science and Technology*, **2014**, 19, 374-386	3.4	1

189	Almost Optimal Lower Bounds for Problems Parameterized by Clique-Width. *SIAM Journal on Computing*, **2014**, 43, 1541-1563	1.1	19
188	Long Circuits and Large Euler Subgraphs. *SIAM Journal on Discrete Mathematics*, **2014**, 28, 878-892	0.7	3
187	To satisfy impatient Web surfers is hard. *Theoretical Computer Science*, **2014**, 526, 1-17	1.1	11
186	Searching for better fill-in. *Journal of Computer and System Sciences*, **2014**, 80, 1374-1383	1	
185	Enumerating Minimal Subset Feedback Vertex Sets. *Algorithmica*, **2014**, 69, 216-231	0.9	26
184	Algorithms Parameterized by Vertex Cover and Modular Width, through Potential Maximal Cliques. *Lecture Notes in Computer Science*, **2014**, 182-193	0.9	6
183	Parameterized Algorithms to Preserve Connectivity. *Lecture Notes in Computer Science*, **2014**, 800-811	0.9	10
182	Representative Sets of Product Families. *Lecture Notes in Computer Science*, **2014**, 443-454	0.9	17
181	Computing Optimal Steiner Trees in Polynomial Space. *Algorithmica*, **2013**, 65, 584-604	0.9	9
180	Exact Algorithms for Finding Longest Cycles in Claw-Free Graphs. *Algorithmica*, **2013**, 65, 129-145	0.9	4
179	Quadratic Upper Bounds on the Erdős-Pósa Property for a Generalization of Packing and Covering Cycles. *Journal of Graph Theory*, **2013**, 74, 417-424	0.8	4
178	An O(c^k n) 5-Approximation Algorithm for Treewidth **2013**,		30
177	Beyond bidimensionality: Parameterized subexponential algorithms on directed graphs. *Information and Computation*, **2013**, 233, 60-70	0.8	7
176	Three complexity results on coloring Pk-free graphs. *European Journal of Combinatorics*, **2013**, 34, 609-619	0.7	22
175	A linear vertex kernel for maximum internal spanning tree. *Journal of Computer and System Sciences* , **2013**, 79, 1-6	1	47
174	Distortion is Fixed Parameter Tractable. *ACM Transactions on Computation Theory*, **2013**, 5, 1-20	0.6	8
173	A Polynomial Kernel for Proper Interval Vertex Deletion. *SIAM Journal on Discrete Mathematics*, **2013**, 27, 1964-1976	0.7	26
172	Subexponential Parameterized Algorithm for Minimum Fill-In. *SIAM Journal on Computing*, **2013**, 42, 2197-2216	1.1	29

171	Exact exponential algorithms. *Communications of the ACM*, **2013**, 56, 80-88	2.5	12
170	Jungles, bundles, and fixed-parameter tractability **2013**,		6
169	Computing Tree-Depth Faster Than 2n. *Lecture Notes in Computer Science*, **2013**, 137-149	0.9	3
168	Faster Exact Algorithms for Some Terminal Set Problems. *Lecture Notes in Computer Science*, **2013**, 150-162	0.9	4
167	On the Parameterized Complexity of Cutting a Few Vertices from a Graph. *Lecture Notes in Computer Science*, **2013**, 421-432	0.9	6
166	Largest Chordal and Interval Subgraphs Faster Than 2n. *Lecture Notes in Computer Science*, **2013**, 193-204	0.9	2
165	Subexponential Parameterized Algorithm for Computing the Cutwidth of a Semi-complete Digraph. *Lecture Notes in Computer Science*, **2013**, 505-516	0.9	5
164	Kernelization Algorithms. *Smart Innovation, Systems and Technologies*, **2013**, 1-5	0.5	
163	Long Circuits and Large Euler Subgraphs. *Lecture Notes in Computer Science*, **2013**, 493-504	0.9	1
162	Faster algorithms for finding and counting subgraphs. *Journal of Computer and System Sciences*, **2012**, 78, 698-706	1	33
161	Local search: Is brute-force avoidable?. *Journal of Computer and System Sciences*, **2012**, 78, 707-719	1	29
160	A Note on Exact Algorithms for Vertex Ordering Problems on Graphs. *Theory of Computing Systems*, **2012**, 50, 420-432	0.6	30
159	Cops and Robber Game Without Recharging. *Theory of Computing Systems*, **2012**, 50, 611-620	0.6	7
158	Sharp Separation and Applications to Exact and Parameterized Algorithms. *Algorithmica*, **2012**, 63, 692-706	0.9	24
157	Cops and Robber with Constraints. *SIAM Journal on Discrete Mathematics*, **2012**, 26, 571-590	0.7	4
156	Counting Subgraphs via Homomorphisms. *SIAM Journal on Discrete Mathematics*, **2012**, 26, 695-717	0.7	17
155	Connected graph searching. *Information and Computation*, **2012**, 219, 1-16	0.8	29
154	Treewidth computation and extremal combinatorics. *Combinatorica*, **2012**, 32, 289-308	0.9	52

153	**2012**,		61
152	Making Life Easier for Firefighters. *Lecture Notes in Computer Science*, **2012**, 177-188	0.9	6
151	Catalan structures and dynamic programming in H-minor-free graphs. *Journal of Computer and System Sciences*, **2012**, 78, 1606-1622	1	19
150	Fast Minor Testing in Planar Graphs. *Algorithmica*, **2012**, 64, 69-84	0.9	2
149	Parameterized Complexity of the Spanning Tree Congestion Problem. *Algorithmica*, **2012**, 64, 85-111	0.9	7
148	Kernel(s) for problems with no kernel. *ACM Transactions on Algorithms*, **2012**, 8, 1-19	1.2	48
147	On exact algorithms for treewidth. *ACM Transactions on Algorithms*, **2012**, 9, 1-23	1.2	20
146	Bidimensionality and Geometric Graphs **2012**,		19
145	Subexponential Parameterized Algorithm for Minimum Fill-in **2012**,		10
144	Parameterized Complexity of Firefighting Revisited. *Lecture Notes in Computer Science*, **2012**, 13-26	0.9	10
143	k-Gap Interval Graphs. *Lecture Notes in Computer Science*, **2012**, 350-361	0.9	5
142	To Satisfy Impatient Web Surfers Is Hard. *Lecture Notes in Computer Science*, **2012**, 166-176	0.9	3
141	FPT Suspects and Tough Customers: Open Problems of Downey and Fellows. *Lecture Notes in Computer Science*, **2012**, 457-468	0.9	2
140	Preprocessing Subgraph and Minor Problems: When Does a Small Vertex Cover Help?. *Lecture Notes in Computer Science*, **2012**, 97-108	0.9	4
139	A Polynomial Kernel for Proper Interval Vertex Deletion. *Lecture Notes in Computer Science*, **2012**, 467-478	0.9	89
138	Approximating Width Parameters of Hypergraphs with Excluded Minors. *SIAM Journal on Discrete Mathematics*, **2011**, 25, 1331-1348	0.7	1
137	Bidimensionality and EPTAS **2011**,		19
136	Guard games on graphs: Keep the intruder out!. *Theoretical Computer Science*, **2011**, 412, 6484-6497	1.1	2

135	Faster parameterized algorithms for minor containment. *Theoretical Computer Science*, **2011**, 412, 7018-7028	1.1	17
134	Kernels for feedback arc set in tournaments. *Journal of Computer and System Sciences*, **2011**, 77, 1071-1078	1	51
133	Spanners in sparse graphs. *Journal of Computer and System Sciences*, **2011**, 77, 1108-1119	1	15
132	Implicit branching and parameterized partial cover problems. *Journal of Computer and System Sciences*, **2011**, 77, 1159-1171	1	17
131	On the complexity of some colorful problems parameterized by treewidth. *Information and Computation*, **2011**, 209, 143-153	0.8	55
130	How to Guard a Graph?. *Algorithmica*, **2011**, 61, 839-856	0.9	6
129	Branch and Recharge: Exact Algorithms for Generalized Domination. *Algorithmica*, **2011**, 61, 252-273	0.9	
128	Strengthening Erdős a property for minor-closed graph classes. *Journal of Graph Theory*, **2011**, 66, 235-240	0.8	10
127	On the complexity of reconstructing H-free graphs from their Star Systems. *Journal of Graph Theory* , **2011**, 68, 113-124	0.8	4
126	Contraction obstructions for treewidth. *Journal of Combinatorial Theory Series B*, **2011**, 101, 302-314	1.1	51
125	Spanners of bounded degree graphs. *Information Processing Letters*, **2011**, 111, 142-144	0.8	9
124	Subexponential algorithms for partial cover problems. *Information Processing Letters*, **2011**, 111, 814-818	0.8	24
123	Approximation of minimum weight spanners for sparse graphs. *Theoretical Computer Science*, **2011**, 412, 846-852	1.1	2
122	An exact algorithm for minimum distortion embedding. *Theoretical Computer Science*, **2011**, 412, 3530-3536	1.1	8
121	Ranking and Drawing in Subexponential Time. *Lecture Notes in Computer Science*, **2011**, 337-348	0.9	5
120	Exact Algorithm for the Maximum Induced Planar Subgraph Problem. *Lecture Notes in Computer Science*, **2011**, 287-298	0.9	8
119	Approximation Algorithms for Domination Search. *Lecture Notes in Computer Science*, **2011**, 130-141	0.9	
118	Enumerating Minimal Subset Feedback Vertex Sets. *Lecture Notes in Computer Science*, **2011**, 399-410	0.9	4

117	Bidimensionality and Kernels **2010**,		66
116	Intractability of Clique-Width Parameterizations. *SIAM Journal on Computing*, **2010**, 39, 1941-1956	1.1	44
115	Branching. *Texts in Theoretical Computer Science*, **2010**, 13-30		2
114	Inclusion-Exclusion. *Texts in Theoretical Computer Science*, **2010**, 51-75		
113	Treewidth. *Texts in Theoretical Computer Science*, **2010**, 77-100		2
112	Measure & Conquer. *Texts in Theoretical Computer Science*, **2010**, 101-124		1
111	Subset Convolution. *Texts in Theoretical Computer Science*, **2010**, 125-139		
110	Split and List. *Texts in Theoretical Computer Science*, **2010**, 153-160		3
109	Time Versus Space. *Texts in Theoretical Computer Science*, **2010**, 161-170		
108	Conclusions, Open Problems and Further Directions. *Texts in Theoretical Computer Science*, **2010**, 187-188		
107	Exact Exponential Algorithms. *Texts in Theoretical Computer Science*, **2010**,		200
106	Iterative compression and exact algorithms. *Theoretical Computer Science*, **2010**, 411, 1045-1053	1.1	21
105	Efficient Exact Algorithms on Planar Graphs: Exploiting Sphere Cut Decompositions. *Algorithmica*, **2010**, 58, 790-810	0.9	52
104	Mixed search number and linear-width of interval and split graphs. *Networks*, **2010**, 56, 207-214	1.6	5
103	Parameterized algorithm for eternal vertex cover. *Information Processing Letters*, **2010**, 110, 702-706	0.8	16
102	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	25
101	Pursuing a fast robber on a graph. *Theoretical Computer Science*, **2010**, 411, 1167-1181	1.1	42
100	Rank-width and tree-width of . *European Journal of Combinatorics*, **2010**, 31, 1617-1628	0.7	17

99	An Exact Algorithm for Minimum Distortion Embedding. *Lecture Notes in Computer Science*, **2010**, 112-121	0.9	0
98	Fast Exact Algorithms for Hamiltonicity in Claw-Free Graphs. *Lecture Notes in Computer Science*, **2010**, 44-53	0.9	3
97	Sharp Separation and Applications to Exact and Parameterized Algorithms. *Lecture Notes in Computer Science*, **2010**, 72-83	0.9	1
96	Cops and Robber Game without Recharging. *Lecture Notes in Computer Science*, **2010**, 273-284	0.9	2
95	Faster Parameterized Algorithms for Minor Containment. *Lecture Notes in Computer Science*, **2010**, 322-333	0.9	4
94	The Curse of Connectivity: t-Total Vertex (Edge) Cover. *Lecture Notes in Computer Science*, **2010**, 34-43	0.9	6
93	Kernelization. *Lecture Notes in Computer Science*, **2010**, 107-108	0.9	2
92	Protrusions in Graphs and Their Applications. *Lecture Notes in Computer Science*, **2010**, 3-3	0.9	
91	Fast Minor Testing in Planar Graphs. *Lecture Notes in Computer Science*, **2010**, 97-109	0.9	3
90	Guard Games on Graphs: Keep the Intruder Out!. *Lecture Notes in Computer Science*, **2010**, 147-158	0.9	1
89	Nondeterministic Graph Searching: From Pathwidth to Treewidth. *Algorithmica*, **2009**, 53, 358-373	0.9	19
88	On Two Techniques of Combining Branching and Treewidth. *Algorithmica*, **2009**, 54, 181-207	0.9	70
87	Sort and Search: Exact algorithms for generalized domination. *Information Processing Letters*, **2009**, 109, 795-798	0.8	5
86	Computing branchwidth via efficient triangulations and blocks. *Discrete Applied Mathematics*, **2009**, 157, 2726-2736	1	7
85	(Meta) Kernelization **2009**,		79
84	A measure & conquer approach for the analysis of exact algorithms. *Journal of the ACM*, **2009**, 56, 1-32	2	454
83	Spanning Directed Trees with Many Leaves. *SIAM Journal on Discrete Mathematics*, **2009**, 23, 466-476	0.7	24
82	Algorithm for Finding k-Vertex Out-trees and Its Application to k-Internal Out-branching Problem. *Lecture Notes in Computer Science*, **2009**, 37-46	0.9	4

81	Distortion Is Fixed Parameter Tractable. *Lecture Notes in Computer Science*, **2009**, 463-474	0.9	6
80	Counting Subgraphs via Homomorphisms. *Lecture Notes in Computer Science*, **2009**, 71-82	0.9	12
79	Contraction Bidimensionality: The Accurate Picture. *Lecture Notes in Computer Science*, **2009**, 706-717	0.9	11
78	Three Complexity Results on Coloring Pk-Free Graphs. *Lecture Notes in Computer Science*, **2009**, 95-104	0.9	13
77	A Linear Vertex Kernel for Maximum Internal Spanning Tree. *Lecture Notes in Computer Science*, **2009**, 275-282	0.9	3
76	Exact Algorithms for Treewidth and Minimum Fill-In. *SIAM Journal on Computing*, **2008**, 38, 1058-1079	1.1	45
75	On tractability of Cops and Robbers game. *International Federation for Information Processing*, **2008** , 171-185		9
74	Combinatorial bounds via measure and conquer. *ACM Transactions on Algorithms*, **2008**, 5, 1-17	1.2	66
73	Improved algorithms for feedback vertex set problems. *Journal of Computer and System Sciences*, **2008**, 74, 1188-1198	1	86
72	An annotated bibliography on guaranteed graph searching. *Theoretical Computer Science*, **2008**, 399, 236-245	1.1	222
71	Solving Connected Dominating Set Faster than 2n. *Algorithmica*, **2008**, 52, 153-166	0.9	52
70	On the Minimum Feedback Vertex Set Problem: Exact and Enumeration Algorithms. *Algorithmica*, **2008**, 52, 293-307	0.9	78
69	Subexponential parameterized algorithms. *Computer Science Review*, **2008**, 2, 29-39	8.3	55
68	A PTAS for the Sparsest Spanners Problem on Apex-Minor-Free Graphs. *Lecture Notes in Computer Science*, **2008**, 290-298	0.9	
67	Spanners in Sparse Graphs. *Lecture Notes in Computer Science*, **2008**, 597-608	0.9	3
66	Treewidth Computation and Extremal Combinatorics. *Lecture Notes in Computer Science*, **2008**, 210-221	0.9	12
65	On the Complexity of Reconstructing H-free Graphs from Their Star Systems **2008**, 194-205		1
64	Iterative Compression and Exact Algorithms. *Lecture Notes in Computer Science*, **2008**, 335-346	0.9	3

63	Faster Steiner Tree Computation in Polynomial-Space. *Lecture Notes in Computer Science*, **2008**, 430-441	0.9	5
62	How to Guard a Graph?. *Lecture Notes in Computer Science*, **2008**, 318-329	0.9	6
61	Improved Exact Algorithms for Counting 3- and 4-Colorings. *Lecture Notes in Computer Science*, **2007**, 65-74	0.9	7
60	Counting Minimum Weighted Dominating Sets. *Lecture Notes in Computer Science*, **2007**, 165-175	0.9	
59	On self duality of pathwidth in polyhedral graph embeddings. *Journal of Graph Theory*, **2007**, 55, 42-54	0.8	5
58	Backbone colorings for graphs: Tree and path backbones. *Journal of Graph Theory*, **2007**, 55, 137-152	0.8	22
57	Eliminating graphs by means of parallel knock-out schemes. *Discrete Applied Mathematics*, **2007**, 155, 92-102	1	6
56	Exact Algorithms for Graph Homomorphisms. *Theory of Computing Systems*, **2007**, 41, 381-393	0.6	15
55	Mixed Search Number and Linear-Width of Interval and Split Graphs **2007**, 304-315		4
54	Subexponential Parameterized Algorithms. *Lecture Notes in Computer Science*, **2007**, 15-27	0.9	5
53	On the Complexity of Some Colorful Problems Parameterized by Treewidth. *Lecture Notes in Computer Science*, **2007**, 366-377	0.9	11
52	Improved Algorithms for the Feedback Vertex Set Problems. *Lecture Notes in Computer Science*, **2007**, 422-433	0.9	14
51	Branch and Recharge: Exact Algorithms for Generalized Domination. *Lecture Notes in Computer Science*, **2007**, 507-518	0.9	1
50	Better Algorithms and Bounds for Directed Maximum Leaf Problems. *Lecture Notes in Computer Science*, **2007**, 316-327	0.9	5
49	New upper bounds on the decomposability of planar graphs. *Journal of Graph Theory*, **2006**, 51, 53-81	0.8	44
48	Dominating Sets in Planar Graphs: Branch-Width and Exponential Speed-Up. *SIAM Journal on Computing*, **2006**, 36, 281-309	1.1	65
47	Pathwidth of cubic graphs and exact algorithms. *Information Processing Letters*, **2006**, 97, 191-196	0.8	48
46	A 3-approximation for the pathwidth of Halin graphs. *Journal of Discrete Algorithms*, **2006**, 4, 499-510		11

45	Planar Graph Coloring Avoiding Monochromatic Subgraphs: Trees and Paths Make It Difficult. *Algorithmica*, **2006**, 44, 343-361	0.9	10
44	Measure and conquer **2006**,		43
43	Solving Connected Dominating Set Faster Than 2n. *Lecture Notes in Computer Science*, **2006**, 152-163	0.9	7
42	Fast Subexponential Algorithm for Non-local Problems on Graphs of Bounded Genus. *Lecture Notes in Computer Science*, **2006**, 172-183	0.9	16
41	Optimal Linear Arrangement of Interval Graphs. *Lecture Notes in Computer Science*, **2006**, 267-279	0.9	14
40	On Exact Algorithms for Treewidth. *Lecture Notes in Computer Science*, **2006**, 672-683	0.9	22
39	Finding a Minimum Feedback Vertex Set in Time (mathcal{O} (1.7548^n)). *Lecture Notes in Computer Science*, **2006**, 184-191	0.9	19
38	Branching and Treewidth Based Exact Algorithms. *Lecture Notes in Computer Science*, **2006**, 16-25	0.9	8
37	On maximum number of minimal dominating sets in graphs. *Electronic Notes in Discrete Mathematics*, **2005**, 22, 157-162	0.3	
36	Equitable colorings of bounded treewidth graphs. *Theoretical Computer Science*, **2005**, 349, 22-30	1.1	38
35	Tree decompositions with small cost. *Discrete Applied Mathematics*, **2005**, 145, 143-154	1	13
34	Connected Graph Searching in Outerplanar Graphs. *Electronic Notes in Discrete Mathematics*, **2005**, 22, 213-216	0.3	17
33	Graph Searching, Elimination Trees, and a Generalization of Bandwidth. *Algorithmica*, **2005**, 41, 73-87	0.9	15
32	Subexponential parameterized algorithms on bounded-genus graphs and H -minor-free graphs. *Journal of the ACM*, **2005**, 52, 866-893	2	201
31	Fixed-parameter algorithms for (k , r)-center in planar graphs and map graphs. *ACM Transactions on Algorithms*, **2005**, 1, 33-47	1.2	72
30	Computing Branchwidth Via Efficient Triangulations and Blocks. *Lecture Notes in Computer Science*, **2005**, 374-384	0.9	2
29	Measure and Conquer: Domination □A Case Study. *Lecture Notes in Computer Science*, **2005**, 191-203	0.9	63
28	Efficient Exact Algorithms on Planar Graphs: Exploiting Sphere Cut Branch Decompositions. *Lecture Notes in Computer Science*, **2005**, 95-106	0.9	29

27	Bounding the Number of Minimal Dominating Sets: A Measure and Conquer Approach. *Lecture Notes in Computer Science*, **2005**, 573-582	0.9	16
26	Exact (Exponential) Algorithms for Treewidth and Minimum Fill-In. *Lecture Notes in Computer Science*, **2004**, 568-580	0.9	34
25	Bidimensional Parameters and Local Treewidth. *Lecture Notes in Computer Science*, **2004**, 109-118	0.9	3
24	Searching expenditure and interval graphs. *Discrete Applied Mathematics*, **2004**, 135, 97-104	1	2
23	Algorithms for graphs with small octopus. *Discrete Applied Mathematics*, **2004**, 134, 105-128	1	4
22	AT-free graphs: linear bounds for the oriented diameter. *Discrete Applied Mathematics*, **2004**, 141, 135-148		11
21	A 3-approximation for the pathwidth of Halin graphs. *Electronic Notes in Discrete Mathematics*, **2004** , 17, 157-162	0.3	1
20	On distance constrained labeling of disk graphs. *Theoretical Computer Science*, **2004**, 326, 261-292	1.1	13
19	Exact (Exponential) Algorithms for the Dominating Set Problem. *Lecture Notes in Computer Science*, **2004**, 245-256	0.9	53
18	Bidimensional Parameters and Local Treewidth. *SIAM Journal on Discrete Mathematics*, **2004**, 18, 501-511	0.7	51
17	Radio Labeling with Preassigned Frequencies. *SIAM Journal on Optimization*, **2004**, 15, 1-16	2	2
16	Fast Parameterized Algorithms for Graphs on Surfaces: Linear Kernel and Exponential Speed-Up. *Lecture Notes in Computer Science*, **2004**, 581-592	0.9	20
15	Pathwidth of Planar and Line Graphs. *Graphs and Combinatorics*, **2003**, 19, 91-99	0.5	1
14	On the domination search number. *Discrete Applied Mathematics*, **2003**, 127, 565-580	1	9
13	On the monotonicity of games generated by symmetric submodular functions. *Discrete Applied Mathematics*, **2003**, 131, 323-335	1	19
12	More About Subcolorings. *Computing (Vienna/New York)*, **2002**, 69, 187-203	2.2	13
11	Approximation of pathwidth of outerplanar graphs. *Journal of Algorithms*, **2002**, 43, 190-200		22
10	Approximation algorithms for time-dependent orienteering. *Information Processing Letters*, **2002**, 83, 57-62	0.8	54

9	Approximating minimum cocolorings. *Information Processing Letters*, **2002**, 84, 285-290	0.8	26
8	The Complexity of Approximating the Oriented Diameter of Chordal Graphs. *Lecture Notes in Computer Science*, **2002**, 211-222	0.9	1
7	Bilateral Orientations and Domination. *Electronic Notes in Discrete Mathematics*, **2001**, 7, 26-29	0.3	1
6	Graph Searching and Interval Completion. *SIAM Journal on Discrete Mathematics*, **2000**, 13, 454-464	0.7	27
5	On the Domination Search Number. *Lecture Notes in Computer Science*, **2000**, 161-171	0.9	
4	Note on a helicopter search problem on graphs. *Discrete Applied Mathematics*, **1999**, 95, 241-249	1	6
3	Interval Completion with the Smallest Max-Degree. *Lecture Notes in Computer Science*, **1998**, 359-371	0.9	1
2	Kernelization Methods for Fixed-Parameter Tractability260-282		4
1	On the Parameterized Complexity of the Expected Coverage Problem. *Theory of Computing Systems*,1	0.6	