Dieter Kratsch

List of Publications by Year
in descending order

35 papers	2,113 citations	361413 20 h-index	361022 35 g-index
37 all docs	37 docs citations	37 times ranked	996 citing authors

#	Article	IF	Citations
1	A measure & conquer approach for the analysis of exact algorithms. Journal of the ACM, 2009, 56, 1-32.	2.2	555
2	Exact Exponential Algorithms. Texts in Theoretical Computer Science, 2010, , .	0.8	267
3	Domination on Cocomparability Graphs. SIAM Journal on Discrete Mathematics, 1993, 6, 400-417.	0.8	112
4	Rankings of Graphs. SIAM Journal on Discrete Mathematics, 1998, 11, 168-181.	0.8	100
5	Treewidth and Pathwidth of Permutation Graphs. SIAM Journal on Discrete Mathematics, 1995, 8, 606-616.	0.8	96
6	Domination in convex and chordal bipartite graphs. Information Processing Letters, 1990, 36, 231-236.	0.6	89
7	Measure and Conquer: Domination â€" A Case Study. Lecture Notes in Computer Science, 2005, , 191-203.	1.3	82
8	On domination problems for permutation and other graphs. Theoretical Computer Science, 1987, 54, 181-198.	0.9	76
9	On treewidth and minimum fill-in of asteroidal triple-free graphs. Theoretical Computer Science, 1997, 175, 309-335.	0.9	74
10	Exact (Exponential) Algorithms for the Dominating Set Problem. Lecture Notes in Computer Science, 2004, , 245-256.	1.3	72
11	Independent Sets in Asteroidal Triple-Free Graphs. SIAM Journal on Discrete Mathematics, 1999, 12, 276-287.	0.8	67
12	Solving Connected Dominating Set Faster than 2 n. Algorithmica, 2008, 52, 153-166.	1.3	61
13	Measure and conquer. , 2006, , .		51
14	Exact (Exponential) Algorithms for Treewidth and Minimum Fill-In. Lecture Notes in Computer Science, 2004, , 568-580.	1.3	42
15	Finding Hamiltonian paths in cocomparability graphs using the bump number algorithm. Order, 1992, 8, 383-391.	0.5	38
16	Domination and total domination on asteroidal triple-free graphs. Discrete Applied Mathematics, 2000, 99, 111-123.	0.9	36
17	Measuring the vulnerability for classes of intersection graphs. Discrete Applied Mathematics, 1997, 77, 259-270.	0.9	32
18	On the vertex ranking problem for trapezoid, circular-arc and other graphs. Discrete Applied Mathematics, 1999, 98, 39-63.	0.9	31

#	Article	IF	Citations
19	An exact algorithm for the Maximum Leaf Spanning Tree problem. Theoretical Computer Science, 2011, 412, 6290-6302.	0.9	25
20	Total domination and transformation. Information Processing Letters, 1997, 63, 167-170.	0.6	24
21	On the restriction of some NP-complete graph problems to permutation graphs. , 1985, , 53-62.		23
22	Feedback vertex set on AT-free graphs. Discrete Applied Mathematics, 2008, 156, 1936-1947.	0.9	23
23	On cocolourings and cochromatic numbers of graphs. Discrete Applied Mathematics, 1994, 48, 111-127.	0.9	18
24	Kayles and Nimbers. Journal of Algorithms, 2002, 43, 106-119.	0.9	18
25	Asteroidal sets in graphs. Lecture Notes in Computer Science, 1997, , 229-241.	1.3	17
26	Degree-preserving trees. Networks, 2000, 35, 26-39.	2.7	17
27	On claw-free asteroidal triple-free graphs. Discrete Applied Mathematics, 2002, 121, 155-180.	0.9	14
28	An Exact Algorithm for the Maximum Leaf Spanning Tree Problem. Lecture Notes in Computer Science, 2009, , 161-172.	1.3	12
29	Computing Optimal Steiner Trees in Polynomial Space. Algorithmica, 2013, 65, 584-604.	1.3	10
30	Feedback Vertex Set and Longest Induced Path on AT-Free Graphs. Lecture Notes in Computer Science, 2003, , 309-321.	1.3	9
31	Dominating Pair Graphs. SIAM Journal on Discrete Mathematics, 2002, 15, 353-366.	0.8	7
32	A Generalization of AT-free Graphs and a Generic Algorithm for Solving Treewidth, Minimum Fill-In and Vertex Ranking. Lecture Notes in Computer Science, 1998, , 88-99.	1.3	4
33	Algorithms for graphs with small octopus. Discrete Applied Mathematics, 2004, 134, 105-128.	0.9	4
34	Improved bottleneck domination algorithms. Discrete Applied Mathematics, 2006, 154, 1578-1592.	0.9	1
35	On a property of minimal triangulations. Discrete Mathematics, 2009, 309, 1724-1729.	0.7	1