Andrzej Proskurowski

List of Publications by Year
in descending order

60 papers	2,748 citations	361045 20 h-index	174990 52 g-index
62 all docs	62 docs citations	62 times ranked	888 citing authors

#	Article	IF	Citations
1	Complexity of Finding Embeddings in a k-Tree. SIAM Journal on Algebraic and Discrete Methods, 1987, 8, 277-284.	0.8	853
2	Linear time algorithms for NP-hard problems restricted to partial k-trees. Discrete Applied Mathematics, 1989, 23, 11-24.	0.5	431
3	Algorithms for Vertex Partitioning Problems on Partial k-Trees. SIAM Journal on Discrete Mathematics, 1997, 10, 529-550.	0.4	225
4	Characterization and Recognition of Partial 3-Trees. SIAM Journal on Algebraic and Discrete Methods, 1986, 7, 305-314.	0.8	130
5	An algebraic theory of graph reduction. Journal of the ACM, 1993, 40, 1134-1164.	1.8	128
6	Minimum broadcast graphs. Discrete Mathematics, 1979, 25, 189-193.	0.4	100
7	Forbidden minors characterization of partial 3-trees. Discrete Mathematics, 1990, 80, 1-19.	0.4	82
8	On the Generation of Binary Trees. Journal of the ACM, 1980, 27, 1-2.	1.8	56
9	Generating binary trees by transpositions. Journal of Algorithms, 1990, 11, 68-84.	0.9	49
10	Covering Regular Graphs. Journal of Combinatorial Theory Series B, 1997, 71, 1-16.	0.6	47
11	Separating subgraphs in k-trees: Cables and caterpillars. Discrete Mathematics, 1984, 49, 275-285.	0.4	43
12	Systems of distant representatives. Discrete Applied Mathematics, 2005, 145, 306-316.	0.5	41
13	Practical algorithms on partial k-trees with an application to domination-like problems. Lecture Notes in Computer Science, 1993, , 610-621.	1.0	33
14	Networks immune to isolated line failures. Networks, 1982, 12, 393-403.	1.6	32
15	Computation of the center and diameter of outerplanar graphs. Discrete Applied Mathematics, 1980, 2, 185-191.	0.5	31
16	Binary tree gray codes. Journal of Algorithms, 1985, 6, 225-238.	0.9	28
17	SELF-REPAIRING NETWORKS. Parallel Processing Letters, 1993, 03, 381-391.	0.4	23
18	MULTI-SOURCE SPANNING TREE PROBLEMS. Journal of Interconnection Networks, 2000, 01, 61-71.	0.6	23

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19	Centers of maximal outerplanar graphs. Journal of Graph Theory, 1980, 4, 75-79.	0.5	22
20	Efficient Vertex- and Edge-Coloring of Outerplanar Graphs. SIAM Journal on Algebraic and Discrete Methods, 1986, 7, 131-136.	0.8	22
21	Partitioning trees: Matching, domination, and maximum diameter. International Journal of Computer & Information Sciences, 1981, 10, 55-61.	0.2	21
22	Recursive Graphs, Recursive Labelings and Shortest Paths. SIAM Journal on Computing, 1981, 10, 391-397.	0.8	20
23	Linearâ€Time Algorithms for Scattering Number and Hamiltonâ€Connectivity of Interval Graphs. Journal of Graph Theory, 2015, 79, 282-299.	0.5	20
24	Minimum dominating cycles in 2-trees. International Journal of Computer & Information Sciences, 1979, 8, 405-417.	0.2	19
25	Broadcasting in Trees with Multiple Originators. SIAM Journal on Algebraic and Discrete Methods, 1981, 2, 381-386.	0.8	17
26	Minimum dominating cycles in outerplanar graphs. International Journal of Computer & Information Sciences, 1981, 10, 127-139.	0.2	17
27	Distance Constrained Labeling of Precolored Trees. Lecture Notes in Computer Science, 2001, , 285-292.	1.0	17
28	Centers of 2â€“Trees. Annals of Discrete Mathematics, 1980, , 1-5.	1.4	15
29	On Halin graphs. Lecture Notes in Mathematics, 1983, , 248-256.	0.1	14
30	The complexity of minimizing certain cost metrics for k-source spanning trees. Discrete Applied Mathematics, 2003, 131, 113-127.	0.5	14
31	Monadic second order logic, tree automata and forbidden minors. Lecture Notes in Computer Science, 1991, , 1-16.	1.0	13
32	Efficient sets in partial k-trees. Discrete Applied Mathematics, 1993, 44, 109-117.	0.5	12
33	Minimum Self-Repairing Graphs. Graphs and Combinatorics, 1997, 13, 345-351.	0.2	12
34	An algebraic theory of graph reduction. , 1990, , 70-83.		11
35	Multi-source spanning trees: algorithms for minimizing source eccentricities. Discrete Applied Mathematics, 2004, 137, 213-222.	0.5	11
36	Embeddings of <mml:math altimg="si88.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	0.5	11

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37	Coloring mixed hypertrees. Discrete Applied Mathematics, 2006, 154, 660-672.	0.5	10
38	Canonical representations of partial 2- and 3-trees. BIT Numerical Mathematics, 1992, 32, 197-214.	1.0	9
39	Analysis of Algorithms for Listing Equivalence Classes of k-ary Strings. SIAM Journal on Discrete Mathematics, 1998, 11, 94-109.	0.4	9
40	Coloring Mixed Hypertrees. Lecture Notes in Computer Science, 2000, , 279-289.	1.0	9
41	Complexity of graph covering problems. Lecture Notes in Computer Science, 1995, , 93-105.	1.0	9
42	Search for a unique incidence matrix of a graph. BIT Numerical Mathematics, 1974, 14, 209-226.	1.0	8
43	A generalization of line graphs: (X, Y)-intersection graphs. Journal of Graph Theory, 1996, 21, 267-287.	0.5	8
44	Concurrent transmissions in broadcast networks. Lecture Notes in Computer Science, 1984, , 128-136.	1.0	6
45	Faster algorithms for subgraph isomorphism of Î°-connected partial Î°-trees. Lecture Notes in Computer Science, 1996, , 501-513.	1.0	5
46	Canonical incidence matrices of graphs. BIT Numerical Mathematics, 1979, 19, 271-273.	1.0	4
47	Interior graphs of maximal outerplane graphs. Journal of Combinatorial Theory Series B, 1985, 38, 156-167.	0.6	4
48	Efficient Computations in Tree-Like Graphs. Computing Supplementum, 1990, , 1-15.	0.1	4
49	Plane Embeddings of 2-Trees and Biconnected Partial 2-Trees. SIAM Journal on Discrete Mathematics, 1996, 9, 577-596.	0.4	4
50	Bounded-call broadcasting. Discrete Applied Mathematics, 1994, 53, 37-53.	0.5	2
51	Maximum packing for k-connected partial k-trees in polynomial time. Theoretical Computer Science, 2000, 236, 179-191.	0.5	2
52	Embeddings of k-Connected Graphs of Pathwidth k. Lecture Notes in Computer Science, 2000, , 111-124.	1.0	2
53	Generating binary trees by transpositions. Lecture Notes in Computer Science, 1988, , 199-207.	1.0	2
54	Memory requirements for table computations in partial k-tree algorithms. Lecture Notes in Computer Science, 1998, , 222-233.	1.0	1

#	Article	IF	Citations
55	Qualitative bifurcation diagrams. Expert Systems, 2014, 31, 319-334.	2.9	1
56	Hamiltonicity of Amalgams. Graphs and Combinatorics, 1999, 15, 393-404.	0.2	0
57	Stable 2-pairs and (X,Y)-intersection graphs. Discrete Mathematics, 2001, 230, 119-131.	0.4	0
58	Intensive international Summer Schools in Global Distributed Software Development. , 2012, , .		0
59	Canonical representations of partial 2-and 3-trees. Lecture Notes in Computer Science, 1990, , 310-319.	1.0	0
60	A technique for recognizing graphs of bounded treewidth with application to subclasses of partial 2-paths. Lecture Notes in Computer Science, 1996, , 469-486.	1.0	0