Nimrod Megiddo

List of Publications by Year
in descending order

48	6,160	136950	254184
papers	citations	32	43
		h-index	g-index

50	50	50	2174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linear-Time Algorithms for Linear Programming in R^3 and Related Problems. SIAM Journal on Computing, 1983, 12, 759-776.	1.0	720
2	Linear Programming in Linear Time When the Dimension Is Fixed. Journal of the ACM, 1984, 31, 114-127.	2.2	541
3	On the Complexity of Some Common Geometric Location Problems. SIAM Journal on Computing, 1984, 13, 182-196.	1.0	521
4	Applying Parallel Computation Algorithms in the Design of Serial Algorithms. Journal of the ACM, 1983, 30, 852-865.	2.2	518
5	Combinatorial Optimization with Rational Objective Functions. Mathematics of Operations Research, 1979, 4, 414-424.	1.3	390
6	Pathways to the Optimal Set in Linear Programming. , 1989, , 131-158.		343
7	A primalâ€"dual infeasible-interior-point algorithm for linear programming. Mathematical Programming, 1993, 61, 263-280.	2.4	236
8	On total functions, existence theorems and computational complexity. Theoretical Computer Science, 1991, 81, 317-324.	0.9	211
9	The Maximum Coverage Location Problem. SIAM Journal on Algebraic and Discrete Methods, 1983, 4, 253-261.	0.8	203
10	Optimal flows in networks with multiple sources and sinks. Mathematical Programming, 1974, 7, 97-107.	2.4	171
11	On the complexity of locating linear facilities in the plane. Operations Research Letters, 1982, 1, 194-197.	0.7	145
12	Efficient Computation of Equilibria for Extensive Two-Person Games. Games and Economic Behavior, 1996, 14, 247-259.	0.8	127
13	The complexity of two-person zero-sum games in extensive form. Games and Economic Behavior, 1992, 4, 528-552.	0.8	117
14	Homotopy Continuation Methods for Nonlinear Complementarity Problems. Mathematics of Operations Research, 1991, 16, 754-774.	1.3	109
15	New Results on the Complexity of p-Centre Problems. SIAM Journal on Computing, 1983, 12, 751-758.	1.0	101
16	On the complexity of polyhedral separability. Discrete and Computational Geometry, 1988, 3, 325-337.	0.6	92
17	Towards a Genuinely Polynomial Algorithm for Linear Programming. SIAM Journal on Computing, 1983, 12, 347-353.	1.0	88
18	Tight bounds and 2-approximation algorithms for integer programs with two variables per inequality. Mathematical Programming, 1993, 62, 69-83.	2.4	87

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19	On Finding Primal- and Dual-Optimal Bases. ORSA Journal on Computing, 1991, 3, 63-65.	1.7	81
20	The Weighted Euclidean 1-Center Problem. Mathematics of Operations Research, 1983, 8, 498-504.	1.3	75
21	On the complexity of linear programming. , 1987, , 225-268.		74
22	Approximation algorithms for hitting objects with straight lines. Discrete Applied Mathematics, 1991, 30, 29-42.	0.9	73
23	Linear time algorithms for some separable quadratic programming problems. Operations Research Letters, 1993, 13, 203-211.	0.7	62
24	An interior point potential reduction algorithm for the linear complementarity problem. Mathematical Programming, 1992, 54, 267-279.	2.4	61
25	Fast algorithms for finding randomized strategies in game trees. , 1994, , .		61
26	Partitioning with two lines in the plane. Journal of Algorithms, 1985, 6, 430-433.	0.9	58
27	On the existence and uniqueness of solutions in nonlinear complementarity theory. Mathematical Programming, 1977, 12, 110-130.	2.4	54
28	Computing circular separability. Discrete and Computational Geometry, 1986, 1, 105-113.	0.6	49
29	Improved Algorithms For Linear Inequalities with Two Variables Per Inequality. SIAM Journal on Computing, 1994, 23, 1313-1347.	1.0	48
30	Finding Least-Distances Lines. SIAM Journal on Algebraic and Discrete Methods, 1983, 4, 207-211.	0.8	45
31	A good algorithm for lexicographically optimal flows in multi-terminal networks. Bulletin of the American Mathematical Society, 1977, 83, 407-410.	3.9	41
32	On the complexity of some geometric problems in unbounded dimension. Journal of Symbolic Computation, 1990, 10, 327-334.	0.8	39
33	New algorithms for generalized network flows. Mathematical Programming, 1994, 64, 325-336.	2.4	39
34	On the ball spanned by balls. Discrete and Computational Geometry, 1989, 4, 605-610.	0.6	36
35	Theoretical convergence of large-step primal—dual interior point algorithms for linear programming. Mathematical Programming, 1993, 59, 1-21.	2.4	32
36	Finding mixed strategies with small supports in extensive form games. International Journal of Game Theory, 1996, 25, 73-92.	0.5	23

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37	Using fast matrix multiplication to find basic solutions. Theoretical Computer Science, 1998, 205, 307-316.	0.9	21
38	An O(nlogn) randomizing algorithm for the weighted euclidean 1-center problem. Journal of Algorithms, 1986, 7, 358-368.	0.9	19
39	A unified approach to interior point algorithms for linear complementarity problems: A summary. Operations Research Letters, 1991, 10, 247-254.	0.7	19
40	A Deterministic ${\operatorname{Poly}}(\log \log N)$-Time N-Processor Algorithm for Linear Programming in Fixed Dimension. SIAM Journal on Computing, 1996, 25, 1171-1195.	1.0	13
41	A deterministic poly(log log N)-time N-processor algorithm for linear programming in fixed dimension. , 1992, , .		11
42	Is binary encoding appropriate for the problem-language relationship?. Theoretical Computer Science, 1982, 19, 337-341.	0.9	10
43	Linear Programming with Two Variables Per Inequality in Poly-Log Time. SIAM Journal on Computing, 1990, 19, 1000-1010.	1.0	8
44	Improved algorithms for linear inequalities with two variables per inequality. , 1991, , .		8
45	Algorithms and complexity analysis for some flow problems. Algorithmica, 1994, 11, 320-340.	1.3	8
46	The relation between the path of centers and Smale's regularization of the linear programming problem. Linear Algebra and Its Applications, 1991, 152, 135-139.	0.9	4
47	New algorithms for generalized network flows. , 1992, , 103-114.		3
48	Extending NC and RNC algorithms. Algorithmica, 1989, 4, 511-517.	1.3	0