Leen Stougie

List of Publications by Year
in descending order

67 papers	2,687 citations	257450 24 h-index	189892 50 g-index
68 all docs	68 docs citations	68 times ranked	2981 citing authors

#	Article	IF	Citations
1	Whats Hap: Weighted Haplotype Assembly for Future-Generation Sequencing Reads. Journal of Computational Biology, 2015, 22, 498-509.	1.6	337
2	A stochastic method for global optimization. Mathematical Programming, 1982, 22, 125-140.	2.4	219
3	Multiprocessor Scheduling with Rejection. SIAM Journal on Discrete Mathematics, 2000, 13, 64-78.	0.8	215
4	Networks: expanding evolutionary thinking. Trends in Genetics, 2013, 29, 439-441.	6.7	176
5	Computational complexity of stochastic programming problems. Mathematical Programming, 2006, 106, 423-432.	2.4	150
6	Charge Group Partitioning in Biomolecular Simulation. Journal of Computational Biology, 2013, 20, 188-198.	1.6	145
7	Algorithms for the On-Line Travelling Salesman1. Algorithmica, 2001, 29, 560-581.	1.3	125
8	Ancient Dispersal of the Human Fungal Pathogen Cryptococcus gattii from the Amazon Rainforest. PLoS ONE, 2013, 8, e71148.	2.5	122
9	Modes and cuts in metabolic networks: Complexity and algorithms. BioSystems, 2009, 95, 51-60.	2.0	88
10	Two‐stage stochastic integer programming: a survey. Statistica Neerlandica, 1996, 50, 404-416.	1.6	87
11	Approximation algorithms for the test cover problem. Mathematical Programming, 2003, 98, 477-491.	2.4	76
12	The Online TSP Against Fair Adversaries. INFORMS Journal on Computing, 2001, 13, 138-148.	1.7	51
13	Constructing Level-2 Phylogenetic Networks from Triplets. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2009, 6, 667-681.	3.0	51
14	A class of on-line scheduling algorithms to minimize total completion time. Operations Research Letters, 2003, 31, 232-236.	0.7	50
15	A class of generalized greedy algorithms for the multi-knapsack problem. Discrete Applied Mathematics, 1993, 42, 279-290.	0.9	45
16	Stochastic facility location with general long-run costs and convex short-run costs. Computers and Operations Research, 2008, 35, 2988-3000.	4.0	45
17	An algorithm for the construction of convex hulls in simple integer recourse programming. Annals of Operations Research, 1996, 64, 67-81.	4.1	44
18	A note on the complexity of finding and enumerating elementary modes. BioSystems, 2010, 99, 210-214.	2.0	44

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19	Computer-Aided Complexity Classification of Dial-a-Ride Problems. INFORMS Journal on Computing, 2004, 16, 120-132.	1.7	41
20	Universal Sequencing on an Unreliable Machine. SIAM Journal on Computing, 2012, 41, 565-586.	1.0	35
21	Graph-Based Analysis of the Metabolic Exchanges between Two Co-Resident Intracellular Symbionts, Baumannia cicadellinicola and Sulcia muelleri, with Their Insect Host, Homalodisca coagulata. PLoS Computational Biology, 2010, 6, e1000904.	3.2	34
22	Hierarchical vehicle routing problems. Networks, 1984, 14, 571-586.	2.7	27
23	Location of slaughterhouses under economies of scale. European Journal of Operational Research, 2006, 175, 740-750.	5.7	27
24	Towards a model and algorithm management system for vehicle routing and scheduling problems. Decision Support Systems, 1999, 25, 109-133.	5.9	25
25	Simple integer recourse models: convexity and convex approximations. Mathematical Programming, 2006, 108, 435-473.	2.4	25
26	Randomized algorithms for on-line scheduling problems: how low can't you go?. Operations Research Letters, 2002, 30, 89-96.	0.7	23
27	A Linear Bound On The Diameter Of The Transportation Polytope*. Combinatorica, 2006, 26, 133-139.	1.2	21
28	Virtual Private Network Design: A Proof of the Tree Routing Conjecture on Ring Networks. SIAM Journal on Discrete Mathematics, 2007, 21, 482-503.	0.8	21
29	A probabilistic analysis of the multiknapsack value function. Mathematical Programming, 1990, 46, 237-247.	2.4	19
30	Cycle Killer...Qu'est-ce que c'est? On the Comparative Approximability of Hybridization Number and Directed Feedback Vertex Set. SIAM Journal on Discrete Mathematics, 2012, 26, 1635-1656.	0.8	18
31	On-Line Dial-a-Ride Problems Under a Restricted Information Model. Algorithmica, 2004, 40, 319-329.	1.3	17
32	Strong LP formulations for scheduling splittable jobs on unrelated machines. Mathematical Programming, 2015, 154, 305-328.	2.4	17
33	A framework for the probabilistic analysis of hierarchical planning systems. Annals of Operations Research, 1984, 1, 23-42.	4.1	16
34	Probabilistic analysis of the minimum weighted flowtime scheduling problem. Operations Research Letters, 1992, 11, 67-71.	0.7	16
35	Minimizing bed occupancy variance by scheduling patients under uncertainty. European Journal of Operational Research, 2020, 286, 336-349.	5.7	16
36	On rates of convergence and asymptotic normality in the multiknapsack problem. Mathematical Programming, 1991, 51, 349-358.	2.4	15

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37	Prefix Reversals on Binary and Ternary Strings. SIAM Journal on Discrete Mathematics, 2007, 21, 592-611.	0.8	15
38	Modelling aspects of distributed processingin telecommunication networks. Annals of Operations Research, 1998, 82, 161-185.	4.1	14
39	On Unrooted and Root-Uncertain Variants of Several Well-Known Phylogenetic Network Problems. Algorithmica, 2018, 80, 2993-3022.	1.3	14
40	A Realistic Model Under Which the Genetic Code is Optimal. Journal of Molecular Evolution, 2013, 77, 170-184.	1.8	13
41	Approximation Algorithms for Nonbinary Agreement Forests. SIAM Journal on Discrete Mathematics, 2014, 28, 49-66.	0.8	12
42	BacHBerry: BACterial Hosts for production of Bioactive phenolics from bERRY fruits. Phytochemistry Reviews, 2018, 17, 291-326.	6.5	12
43	Online k-Server Routing Problems. Theory of Computing Systems, 2009, 45, 470-485.	1.1	11
44	STOCHASTIC INTEGER PROGRAMMING BY DYNAMIC PROGRAMMING. Statistica Neerlandica, 1985, 39, 97-113.	1.6	10
45	Approximation in two-stage stochastic integer programming. Surveys in Operations Research and Management Science, 2014, 19, 17-33.	3.1	10
46	A hierarchical scheduling problem with a well-solvable second stage. Annals of Operations Research, 1984, 1, 43-58.	4.1	9
47	Shorelines of Islands of Tractability: Algorithms for Parsimony and Minimum Perfect Phylogeny Haplotyping Problems. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2008, 5, 301-312.	3.0	9
48	Split scheduling with uniform setup times. Journal of Scheduling, 2015, 18, 119-129.	1.9	9
49	Sampling hypergraphs with given degrees. Discrete Mathematics, 2021, 344, 112566.	0.7	9
50	A linear programming formulation of Mader's edge-disjoint paths problem. Journal of Combinatorial Theory Series B, 2006, 96, 159-163.	1.0	8
51	Optimal algorithms for scheduling under time-of-use tariffs. Annals of Operations Research, 2021, 304, 85-107.	4.1	8
52	Complexity of inventory routing problems when routing is easy. Networks, 2020, 75, 113-123.	2.7	7
53	A simple randomised algorithm for convex optimisation. Mathematical Programming, 2014, 147, 207-229.	2.4	6
54	Approximation algorithms and relaxations for a service provision problem on a telecommunication network. Discrete Applied Mathematics, 2003, 129, 63-81.	0.9	5

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55	Minimizing worst-case and average-case makespan over scenarios. Journal of Scheduling, 2017, 20, 545-555.	1.9	4
56	Maximum parsimony distance on phylogenetic trees: A linear kernel and constant factor approximation algorithm. Journal of Computer and System Sciences, 2021, 117, 165-181.	1.2	4
57	On-line Multi-threaded Scheduling. Journal of Scheduling, 2003, 6, 167-181.	1.9	3
58	Fast Flux Module Detection Using Matroid Theory. Journal of Computational Biology, 2015, 22, 414-424.	1.6	2
59	Local improvement algorithms for a path packing problem: A performance analysis based on linear programming. Operations Research Letters, 2021, 49, 62-68.	0.7	2
60	Applicability of several rooted phylogenetic network algorithms for representing the evolutionary history of SARS-CoV-2. Bmc Ecology and Evolution, 2021, 21, 220.	1.6	2
61	On the relation between complexity and uncertainty. Annals of Operations Research, 1989, 18, 17-23.	4.1	1
62	Random walks on the vertices of transportation polytopes with constant number of sources. Random Structures and Algorithms, 2008, 33, 333-355.	1.1	1
63	The stochastic programming heritage of Maarten van der Vlerk. Computational Management Science, 2018, 15, 319-323.	1.3	1
64	Approximation Algorithms for Replenishment Problems with Fixed Turnover Times. Algorithmica, 2022, 84, 2597-2621.	1.3	1
65	Boekbesprekingen/Review. De Economist, 1990, 138, 78-104.	1.4	0
66	A fast randomized algorithm for partitioning a graph into paths of fixed length. Discrete Applied Mathematics, 1993, 42, 291-303.	0.9	0
67	Introducing the paper by Aardal and van Hoesel. Statistica Neerlandica, 1999, 53, 129-130.	1.6	0