

# Leen Stougie

## List of Publications by Year in descending order

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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	Approximation Algorithms for Replenishment Problems with Fixed Turnover Times. <i>Algorithmica</i> , 2022, 84, 2597-2621.	1.3	1
2	Maximum parsimony distance on phylogenetic trees: A linear kernel and constant factor approximation algorithm. <i>Journal of Computer and System Sciences</i> , 2021, 117, 165-181.	1.2	4
3	Local improvement algorithms for a path packing problem: A performance analysis based on linear programming. <i>Operations Research Letters</i> , 2021, 49, 62-68.	0.7	2
4	Optimal algorithms for scheduling under time-of-use tariffs. <i>Annals of Operations Research</i> , 2021, 304, 85-107.	4.1	8
5	Sampling hypergraphs with given degrees. <i>Discrete Mathematics</i> , 2021, 344, 112566.	0.7	9
6	Applicability of several rooted phylogenetic network algorithms for representing the evolutionary history of SARS-CoV-2. <i>Bmc Ecology and Evolution</i> , 2021, 21, 220.	1.6	2
7	Complexity of inventory routing problems when routing is easy. <i>Networks</i> , 2020, 75, 113-123.	2.7	7
8	Minimizing bed occupancy variance by scheduling patients under uncertainty. <i>European Journal of Operational Research</i> , 2020, 286, 336-349.	5.7	16
9	BacHBerry: BACTERIAL Hosts for production of Bioactive phenolics from bERRY fruits. <i>Phytochemistry Reviews</i> , 2018, 17, 291-326.	6.5	12
10	The stochastic programming heritage of Maarten van der Vlerk. <i>Computational Management Science</i> , 2018, 15, 319-323.	1.3	1
11	On Unrooted and Root-Uncertain Variants of Several Well-Known Phylogenetic Network Problems. <i>Algorithmica</i> , 2018, 80, 2993-3022.	1.3	14
12	Minimizing worst-case and average-case makespan over scenarios. <i>Journal of Scheduling</i> , 2017, 20, 545-555.	1.9	4
13	Strong LP formulations for scheduling splittable jobs on unrelated machines. <i>Mathematical Programming</i> , 2015, 154, 305-328.	2.4	17
14	Fast Flux Module Detection Using Matroid Theory. <i>Journal of Computational Biology</i> , 2015, 22, 414-424.	1.6	2
15	W <sub>H</sub> ap: Weighted Haplotype Assembly for Future-Generation Sequencing Reads. <i>Journal of Computational Biology</i> , 2015, 22, 498-509.	1.6	337
16	Split scheduling with uniform setup times. <i>Journal of Scheduling</i> , 2015, 18, 119-129.	1.9	9
17	Approximation Algorithms for Nonbinary Agreement Forests. <i>SIAM Journal on Discrete Mathematics</i> , 2014, 28, 49-66.	0.8	12
18	A simple randomised algorithm for convex optimisation. <i>Mathematical Programming</i> , 2014, 147, 207-229.	2.4	6

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19	Approximation in two-stage stochastic integer programming. <i>Surveys in Operations Research and Management Science</i> , 2014, 19, 17-33.	3.1	10
20	A Realistic Model Under Which the Genetic Code is Optimal. <i>Journal of Molecular Evolution</i> , 2013, 77, 170-184.	1.8	13
21	Charge Group Partitioning in Biomolecular Simulation. <i>Journal of Computational Biology</i> , 2013, 20, 188-198.	1.6	145
22	Networks: expanding evolutionary thinking. <i>Trends in Genetics</i> , 2013, 29, 439-441.	6.7	176
23	Ancient Dispersal of the Human Fungal Pathogen <i>Cryptococcus gattii</i> from the Amazon Rainforest. <i>PLoS ONE</i> , 2013, 8, e71148.	2.5	122
24	Universal Sequencing on an Unreliable Machine. <i>SIAM Journal on Computing</i> , 2012, 41, 565-586.	1.0	35
25	Cycle Killer...Qu'est-ce que c'est? On the Comparative Approximability of Hybridization Number and Directed Feedback Vertex Set. <i>SIAM Journal on Discrete Mathematics</i> , 2012, 26, 1635-1656.	0.8	18
26	A note on the complexity of finding and enumerating elementary modes. <i>BioSystems</i> , 2010, 99, 210-214.	2.0	44
27	Graph-Based Analysis of the Metabolic Exchanges between Two Co-Resident Intracellular Symbionts, <i>Baumannia cicadellinicola</i> and <i>Sulcia muelleri</i> , with Their Insect Host, <i>Homalodisca coagulata</i> . <i>PLoS Computational Biology</i> , 2010, 6, e1000904.	3.2	34
28	Online k-Server Routing Problems. <i>Theory of Computing Systems</i> , 2009, 45, 470-485.	1.1	11
29	Modes and cuts in metabolic networks: Complexity and algorithms. <i>BioSystems</i> , 2009, 95, 51-60.	2.0	88
30	Constructing Level-2 Phylogenetic Networks from Triplets. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2009, 6, 667-681.	3.0	51
31	Random walks on the vertices of transportation polytopes with constant number of sources. <i>Random Structures and Algorithms</i> , 2008, 33, 333-355.	1.1	1
32	Stochastic facility location with general long-run costs and convex short-run costs. <i>Computers and Operations Research</i> , 2008, 35, 2988-3000.	4.0	45
33	Shorelines of Islands of Tractability: Algorithms for Parsimony and Minimum Perfect Phylogeny Haplotyping Problems. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2008, 5, 301-312.	3.0	9
34	Prefix Reversals on Binary and Ternary Strings. <i>SIAM Journal on Discrete Mathematics</i> , 2007, 21, 592-611.	0.8	15
35	Virtual Private Network Design: A Proof of the Tree Routing Conjecture on Ring Networks. <i>SIAM Journal on Discrete Mathematics</i> , 2007, 21, 482-503.	0.8	21
36	A linear programming formulation of Mader's edge-disjoint paths problem. <i>Journal of Combinatorial Theory Series B</i> , 2006, 96, 159-163.	1.0	8

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37	A Linear Bound On The Diameter Of The Transportation Polytope*. <i>Combinatorica</i> , 2006, 26, 133-139.	1.2	21
38	Computational complexity of stochastic programming problems. <i>Mathematical Programming</i> , 2006, 106, 423-432.	2.4	150
39	Simple integer recourse models: convexity and convex approximations. <i>Mathematical Programming</i> , 2006, 108, 435-473.	2.4	25
40	Location of slaughterhouses under economies of scale. <i>European Journal of Operational Research</i> , 2006, 175, 740-750.	5.7	27
41	Computer-Aided Complexity Classification of Dial-a-Ride Problems. <i>INFORMS Journal on Computing</i> , 2004, 16, 120-132.	1.7	41
42	On-Line Dial-a-Ride Problems Under a Restricted Information Model. <i>Algorithmica</i> , 2004, 40, 319-329.	1.3	17
43	On-line Multi-threaded Scheduling. <i>Journal of Scheduling</i> , 2003, 6, 167-181.	1.9	3
44	Approximation algorithms for the test cover problem. <i>Mathematical Programming</i> , 2003, 98, 477-491.	2.4	76
45	Approximation algorithms and relaxations for a service provision problem on a telecommunication network. <i>Discrete Applied Mathematics</i> , 2003, 129, 63-81.	0.9	5
46	A class of on-line scheduling algorithms to minimize total completion time. <i>Operations Research Letters</i> , 2003, 31, 232-236.	0.7	50
47	Randomized algorithms for on-line scheduling problems: how low can't you go?. <i>Operations Research Letters</i> , 2002, 30, 89-96.	0.7	23
48	Algorithms for the On-Line Travelling Salesman1. <i>Algorithmica</i> , 2001, 29, 560-581.	1.3	125
49	The Online TSP Against Fair Adversaries. <i>INFORMS Journal on Computing</i> , 2001, 13, 138-148.	1.7	51
50	Multiprocessor Scheduling with Rejection. <i>SIAM Journal on Discrete Mathematics</i> , 2000, 13, 64-78.	0.8	215
51	Introducing the paper by Aardal and van Hoesel. <i>Statistica Neerlandica</i> , 1999, 53, 129-130.	1.6	0
52	Towards a model and algorithm management system for vehicle routing and scheduling problems. <i>Decision Support Systems</i> , 1999, 25, 109-133.	5.9	25
53	Modelling aspects of distributed processing in telecommunication networks. <i>Annals of Operations Research</i> , 1998, 82, 161-185.	4.1	14
54	An algorithm for the construction of convex hulls in simple integer recourse programming. <i>Annals of Operations Research</i> , 1996, 64, 67-81.	4.1	44

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55	Two-stage stochastic integer programming: a survey. <i>Statistica Neerlandica</i> , 1996, 50, 404-416.	1.6	87
56	A class of generalized greedy algorithms for the multi-knapsack problem. <i>Discrete Applied Mathematics</i> , 1993, 42, 279-290.	0.9	45
57	A fast randomized algorithm for partitioning a graph into paths of fixed length. <i>Discrete Applied Mathematics</i> , 1993, 42, 291-303.	0.9	0
58	Probabilistic analysis of the minimum weighted flowtime scheduling problem. <i>Operations Research Letters</i> , 1992, 11, 67-71.	0.7	16
59	On rates of convergence and asymptotic normality in the multiknapsack problem. <i>Mathematical Programming</i> , 1991, 51, 349-358.	2.4	15
60	Boekbesprekingen/Review. <i>De Economist</i> , 1990, 138, 78-104.	1.4	0
61	A probabilistic analysis of the multiknapsack value function. <i>Mathematical Programming</i> , 1990, 46, 237-247.	2.4	19
62	On the relation between complexity and uncertainty. <i>Annals of Operations Research</i> , 1989, 18, 17-23.	4.1	1
63	STOCHASTIC INTEGER PROGRAMMING BY DYNAMIC PROGRAMMING. <i>Statistica Neerlandica</i> , 1985, 39, 97-113.	1.6	10
64	A framework for the probabilistic analysis of hierarchical planning systems. <i>Annals of Operations Research</i> , 1984, 1, 23-42.	4.1	16
65	A hierarchical scheduling problem with a well-solvable second stage. <i>Annals of Operations Research</i> , 1984, 1, 43-58.	4.1	9
66	Hierarchical vehicle routing problems. <i>Networks</i> , 1984, 14, 571-586.	2.7	27
67	A stochastic method for global optimization. <i>Mathematical Programming</i> , 1982, 22, 125-140.	2.4	219