

Frits Spieksma

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91 papers	1,898 citations	25 h-index	40 g-index
93 ext. papers	2,200 ext. citations	2.4 avg, IF	4.87 L-index

#	Paper	IF	Citations
91	Minimizing Travel Time and Latency in Multi-Capacity Ride-Sharing Problems. <i>Algorithms</i> , 2022 , 15, 30	1.8	
90	Online Bin Packing with Overload Cost. <i>Lecture Notes in Computer Science</i> , 2021 , 3-15	0.9	1
89	Approximation Algorithms for Car-Sharing Problems. <i>Lecture Notes in Computer Science</i> , 2020 , 262-273	0.9	2
88	Online interval scheduling on two related machines: the power of lookahead. <i>Journal of Combinatorial Optimization</i> , 2019 , 38, 224-253	0.9	0
87	Scheduling a non-professional indoor football league: a tabu search based approach. <i>Annals of Operations Research</i> , 2019 , 275, 715-730	3.2	11
86	No-Wait Scheduling for Locks. <i>INFORMS Journal on Computing</i> , 2019 , 31, 413-428	2.4	3
85	Scheduling parallel batching machines in a sequence. <i>Journal of Scheduling</i> , 2019 , 22, 335-357	1.6	2
84	Revealed preference theory: An algorithmic outlook. <i>European Journal of Operational Research</i> , 2019 , 272, 803-815	5.6	3
83	The Focus of Attention Problem. <i>Algorithmica</i> , 2016 , 74, 559-573	0.9	1
82	The lockmaster problem. <i>European Journal of Operational Research</i> , 2016 , 251, 432-441	5.6	29
81	Mathematical programming models for lock scheduling with an emission objective. <i>European Journal of Operational Research</i> , 2016 , 248, 802-814	5.6	29
80	Round-Robin Tournaments Generated by the Circle Method Have Maximum Carry-Over. <i>Lecture Notes in Computer Science</i> , 2016 , 178-189	0.9	1
79	Facets of the axial three-index assignment polytope. <i>Discrete Applied Mathematics</i> , 2016 , 201, 86-104	1	
78	Winning in straight sets helps in Grand Slam tennis. <i>International Journal of Performance Analysis in Sport</i> , 2015 , 15, 1007-1021	1.8	5
77	Valid inequalities for a time-indexed formulation. <i>Operations Research Letters</i> , 2015 , 43, 268-272	1	3
76	Complexity results for the weak axiom of revealed preference for collective consumption models. <i>Journal of Mathematical Economics</i> , 2015 , 58, 82-91	0.6	3
75	A Note on Testing Axioms of Revealed Preference. <i>Journal of Optimization Theory and Applications</i> , 2015 , 166, 1063-1070	1.6	4

74	Optimal solutions for a dock assignment problem with trailer transportation. <i>Annals of Operations Research</i> , 2014 , 213, 3-25	3.2	17
73	School bus routing—column generation approach. <i>International Transactions in Operational Research</i> , 2014 , 21, 453-478	2.9	24
72	Solids: A Combinatorial Auction for Real Estate. <i>Interfaces</i> , 2014 , 44, 351-363	0.7	6
71	The RedBlue transportation problem. <i>European Journal of Operational Research</i> , 2014 , 237, 814-823	5.6	16
70	Exact and heuristic methods for placing ships in locks. <i>European Journal of Operational Research</i> , 2014 , 235, 387-398	5.6	36
69	Multi-dimensional vector assignment problems. <i>Discrete Optimization</i> , 2014 , 14, 111-125	1	8
68	The generalized lock scheduling problem: An exact approach. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 65, 16-34	9	37
67	Balancing profits and costs on trees. <i>Networks</i> , 2013 , 61, 200-211	1.6	8
66	The three-dimensional matching problem in Kalmanson matrices. <i>Journal of Combinatorial Optimization</i> , 2013 , 26, 1-9	0.9	9
65	Heuristics for the traveling repairman problem with profits. <i>Computers and Operations Research</i> , 2013 , 40, 1700-1707	4.6	45
64	A metaheuristic for the school bus routing problem with bus stop selection. <i>European Journal of Operational Research</i> , 2013 , 229, 518-528	5.6	96
63	The accessibility arc upgrading problem. <i>European Journal of Operational Research</i> , 2013 , 224, 458-465	5.6	18
62	The Money Pump as a Measure of Revealed Preference Violations: A Comment. <i>Journal of Political Economy</i> , 2013 , 121, 1248-1258	8.6	11
61	Computer-assisted proof of performance ratios for the Differencing Method. <i>Discrete Optimization</i> , 2012 , 9, 1-16	1	2
60	Approximating the multi-level bottleneck assignment problem. <i>Operations Research Letters</i> , 2012 , 40, 282-286	1	9
59	Comparing league formats with respect to match importance in Belgian football. <i>Annals of Operations Research</i> , 2012 , 194, 223-240	3.2	31
58	Coloring Graphs Using Two Colors While Avoiding Monochromatic Cycles. <i>INFORMS Journal on Computing</i> , 2012 , 24, 485-499	2.4	3
57	Soccer schedules in Europe: an overview. <i>Journal of Scheduling</i> , 2012 , 15, 641-651	1.6	37

56	Between a rock and a hard place: the two-to-one assignment problem. <i>Mathematical Methods of Operations Research</i> , 2012 , 76, 223-237	1	7
55	The Carryover Effect Does Not Influence Football Results. <i>Journal of Sports Economics</i> , 2012 , 13, 288-305	1.6	14
54	On the Computational Complexity of Peer-to-Peer Satellite Refueling Strategies. <i>Infor</i> , 2012 , 50, 88-94	0.5	1
53	Approximating the Multi-level Bottleneck Assignment Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 64-75	0.9	3
52	Charlemagne's Challenge: The Periodic Latency Problem. <i>Operations Research</i> , 2011 , 59, 674-683	2.3	3
51	Breaks, cuts, and patterns. <i>Operations Research Letters</i> , 2011 , 39, 428-432	1	6
50	Heuristics for Deciding Collectively Rational Consumption Behavior. <i>Computational Economics</i> , 2011 , 38, 173-204	1.4	10
49	Optimization models for targeted offers in direct marketing: Exact and heuristic algorithms. <i>European Journal of Operational Research</i> , 2011 , 210, 670-683	5.6	34
48	Algorithms for Recognizing Economic Properties in Matrix Bid Combinatorial Auctions. <i>INFORMS Journal on Computing</i> , 2010 , 22, 339-352	2.4	3
47	On a periodic vehicle routing problem. <i>Journal of the Operational Research Society</i> , 2010 , 61, 1719-1728	2	40
46	Round robin tournaments and three index assignments. <i>4or</i> , 2010 , 8, 365-374	1.4	7
45	The approximability of three-dimensional assignment problems with bottleneck objective. <i>Optimization Letters</i> , 2010 , 4, 7-16	1.1	6
44	On the complexity of testing the Collective Axiom of Revealed Preference. <i>Mathematical Social Sciences</i> , 2010 , 60, 123-136	0.7	8
43	Scheduling the Belgian Soccer League. <i>Interfaces</i> , 2009 , 39, 109-118	0.7	52
42	The transportation problem with exclusionary side constraints. <i>4or</i> , 2009 , 7, 51-60	1.4	15
41	Exact algorithms for the matrix bid auction. <i>Computers and Operations Research</i> , 2009 , 36, 1090-1109	4.6	5
40	Connectivity Measures for Internet Topologies on the Level of Autonomous Systems. <i>Operations Research</i> , 2009 , 57, 1006-1025	2.3	8
39	Partitioning a weighted partial order. <i>Journal of Combinatorial Optimization</i> , 2008 , 15, 342-356	0.9	4

38	A note on a motion control problem for a placement machine. <i>OR Spectrum</i> , 2008 , 30, 535-549	1.9	1
37	Counting and enumerating aggregate classifiers. <i>Discrete Applied Mathematics</i> , 2008 , 156, 2459-2468	1	1
36	Profit-based latency problems on the line. <i>Operations Research Letters</i> , 2008 , 36, 333-337	1	10
35	Pricing bridges to cross a river. <i>Naval Research Logistics</i> , 2007 , 54, 411-420	1.5	16
34	Interval scheduling: A survey. <i>Naval Research Logistics</i> , 2007 , 54, 530-543	1.5	137
33	Exact algorithms for procurement problems under a total quantity discount structure. <i>European Journal of Operational Research</i> , 2007 , 178, 603-626	5.6	73
32	The tool switching problem revisited. <i>European Journal of Operational Research</i> , 2007 , 182, 952-957	5.6	20
31	Disconnecting graphs by removing vertices: a polyhedral approach. <i>Statistica Neerlandica</i> , 2007 , 61, 35-60.9		21
30	Exact Algorithms for a Loading Problem with Bounded Clique Width. <i>INFORMS Journal on Computing</i> , 2006 , 18, 455-465	2.4	9
29	Approximation Algorithms for Rectangle Stabbing and Interval Stabbing Problems. <i>SIAM Journal on Discrete Mathematics</i> , 2006 , 20, 748-768	0.7	15
28	Modeling and solving the periodic maintenance problem. <i>European Journal of Operational Research</i> , 2006 , 172, 783-797	5.6	59
27	Selecting Telecommunication Carriers to Obtain Volume Discounts. <i>Interfaces</i> , 2005 , 35, 124-132	0.7	13
26	The no-wait flow-shop paradox. <i>Operations Research Letters</i> , 2005 , 33, 603-608	1	11
25	Local search heuristics for multi-index assignment problems with decomposable costs. <i>Journal of the Operational Research Society</i> , 2004 , 55, 694-704	2	16
24	Approximation of Rectangle Stabbing and Interval Stabbing Problems. <i>Lecture Notes in Computer Science</i> , 2004 , 426-435	0.9	1
23	Interval selection: Applications, algorithms, and lower bounds. <i>Journal of Algorithms</i> , 2003 , 46, 27-53		35
22	An LP-based algorithm for the data association problem in multitarget tracking. <i>Computers and Operations Research</i> , 2003 , 30, 1067-1085	4.6	36
21	Random redundant storage in disk arrays: complexity of retrieval problems. <i>IEEE Transactions on Computers</i> , 2003 , 52, 1210-1214	2.5	3

20	Approximation of a Retrieval Problem for Parallel Disks. <i>Lecture Notes in Computer Science</i> , 2003 , 178-188.	8.9	4
19	A branch-and-price algorithm for a hierarchical crew scheduling problem. <i>Naval Research Logistics</i> , 2002 , 49, 743-759	1.5	8
18	Production planning problems in printed circuit board assembly. <i>Discrete Applied Mathematics</i> , 2002 , 123, 339-361	1	84
17	Primal-dual approximation algorithms for a packing-covering pair of problems. <i>RAIRO - Operations Research</i> , 2002 , 36, 53-71	2.2	3
16	A Polynomial Algorithm for Multiprocessor Scheduling with Two Job Lengths. <i>Mathematics of Operations Research</i> , 2001 , 26, 31-49	1.5	29
15	Approximation of a Geometric Set Covering Problem. <i>Lecture Notes in Computer Science</i> , 2001 , 493-501	0.9	2
14	The feeder rack assignment problem in PCB assembly: A case study. <i>International Journal of Production Economics</i> , 2000 , 64, 399-407	9.3	23
13	Simple Algorithms for a Weighted Interval Selection Problem. <i>Lecture Notes in Computer Science</i> , 2000 , 228-240	0.9	6
12	Lifting theorems and facet characterization for a class of clique partitioning inequalities. <i>Operations Research Letters</i> , 1999 , 24, 235-243	1	10
11	On the approximability of an interval scheduling problem. <i>Journal of Scheduling</i> , 1999 , 2, 215-227	1.6	102
10	A General Class of Greedily Solvable Linear Programs. <i>Mathematics of Operations Research</i> , 1998 , 23, 892-908	1.5	20
9	The assembly of printed circuit boards: A case with multiple machines and multiple board types. <i>European Journal of Operational Research</i> , 1997 , 98, 457-472	5.6	60
8	Approximation algorithms for multi-index transportation problems with decomposable costs. <i>Discrete Applied Mathematics</i> , 1997 , 76, 239-253	1	14
7	Scheduling jobs of equal length: complexity, facets and computational results. <i>Mathematical Programming</i> , 1996 , 72, 207-227	2.1	12
6	Geometric three-dimensional assignment problems. <i>European Journal of Operational Research</i> , 1996 , 91, 611-618	5.6	31
5	Scheduling with safety distances. <i>Annals of Operations Research</i> , 1995 , 57, 251-264	3.2	3
4	Minimizing the number of tool switches on a flexible machine. <i>Flexible Services and Manufacturing Journal</i> , 1994 , 6, 33-54		100
3	A branch-and-bound algorithm for the two-dimensional vector packing problem. <i>Computers and Operations Research</i> , 1994 , 21, 19-25	4.6	50

2	Approximation algorithms for multi-dimensional assignment problems with decomposable costs. <i>Discrete Applied Mathematics</i> , 1994 , 49, 25-50	1	53
1	Approximation algorithms for three-dimensional assignment problems with triangle inequalities. <i>European Journal of Operational Research</i> , 1992 , 60, 273-279	5.6	71