Anita Schoebel

List of Publications by Year
in descending order

96 papers	3,042 citations	156536 32 h-index	214428 50 g-index
100 all docs	100 docs citations	100 times ranked	1744 citing authors

#	Article	IF	Citations
1	Integrated optimization of sequential processes: General analysis and application to public transport. EURO Journal on Transportation and Logistics, 2022, 11, 100073.	1.3	6
2	Estimating the robustness of public transport schedules using machine learning. Transportation Research Part C: Emerging Technologies, 2022, 137, 103566.	3.9	9
3	The Cheapest Ticket Problem in Public Transport. Transportation Science, 2022, 56, 1432-1451.	2.6	2
4	The price of multiobjective robustness: Analyzing solution sets to uncertain multiobjective problems. European Journal of Operational Research, 2021, 291, 782-793.	3.5	8
5	When closest is not always the best: The distributed p-median problem. Journal of the Operational Research Society, 2021, 72, 200-216.	2.1	18
6	The blockwise coordinate descent method for integer programs. Mathematical Methods of Operations Research, 2020, 91, 357-381.	0.4	5
7	Approximate cutting plane approaches for exact solutions to robust optimization problems. European Journal of Operational Research, 2020, 284, 20-30.	3.5	2
8	Periodic Timetabling with Integrated Routing: Toward Applicable Approaches. Transportation Science, 2020, 54, 1714-1731.	2.6	23
9	On the p-hub interdiction problem. Computers and Operations Research, 2020, 124, 105056.	2.4	4
10	Case Numbers Beyond Contact Tracing Capacity Are Endangering the Containment of COVID-19. Deutsches Ärzteblatt International, 2020, 117, 790-791.	0.6	17
11	Dominance for multi-objective robust optimization concepts. European Journal of Operational Research, 2019, 273, 430-440.	3.5	30
12	Min-ordering and max-ordering scalarization methods for multi-objective robust optimization. European Journal of Operational Research, 2019, 275, 446-459.	3.5	18
13	Locating Dimensional Facilities in a Continuous Space. , 2019, , 143-184.		0
14	Delay Propagation and Delay Management in Transportation Networks. Profiles in Operations Research, 2018, , 285-317.	0.3	7
15	Multi-objective minmax robust combinatorial optimization with cardinality-constrained uncertainty. European Journal of Operational Research, 2018, 267, 628-642.	3.5	18
16	Norm bounds and underestimators for unconstrained polynomial integer minimization. Mathematical Methods of Operations Research, 2018, 87, 73-107.	0.4	0
17	Peat and pots: An application of robust multiobjective optimization to a mixing problem in agriculture. Computers and Electronics in Agriculture, 2018, 154, 265-275.	3.7	8
18	Extensions of labeling algorithms for multiâ€objective uncertain shortest path problems. Networks, 2018, 72, 84-127.	1.6	13

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19	The Weber obnoxious facility location model: A Big Arc Small Arc approach. Computers and Operations Research, 2018, 98, 240-250.	2.4	26
20	Passenger-Induced Delay Propagation: Agent-Based Simulation of Passengers in Rail Networks. Communications in Computer and Information Science, 2018, , 3-23.	0.4	2
21	A general approach for the location of transfer points on a network with a trip covering criterion and mixed distances. European Journal of Operational Research, 2017, 260, 108-121.	3.5	3
22	A unified approach to uncertain optimization. European Journal of Operational Research, 2017, 260, 403-420.	3.5	48
23	A biobjective approach to recoverable robustness based on location planning. European Journal of Operational Research, 2017, 261, 421-435.	3.5	10
24	Decision uncertainty in multiobjective optimization. Journal of Global Optimization, 2017, 69, 485-510.	1.1	27
25	Source Estimation for Propagation Processes on Complex Networks With an Application to Delays in Public Transportation Systems. Journal of the Royal Statistical Society Series C: Applied Statistics, 2017, 66, 521-536.	0.5	7
26	An eigenmodel for iterative line planning, timetabling and vehicle scheduling in public transportation. Transportation Research Part C: Emerging Technologies, 2017, 74, 348-365.	3.9	103
27	Line pool generation. Public Transport, 2017, 9, 7-32.	1.7	23
28	Minimizing the passengersâ€™ traveling time in the stop location problem. Journal of the Operational Research Society, 2016, 67, 1325-1337.	2.1	10
29	Bi-objective robust optimisation. European Journal of Operational Research, 2016, 252, 418-431.	3.5	48
30	Robustness for uncertain multi-objective optimization: a survey and analysis of different concepts. OR Spectrum, 2016, 38, 235-271.	2.1	122
31	Algorithm Engineering in Robust Optimization. Lecture Notes in Computer Science, 2016, , 245-279.	1.0	38
32	On models for continuous facility location with partial coverage. Journal of the Operational Research Society, 2015, 66, 33-43.	2.1	10
33	Selecting vertex disjoint paths in plane graphs. Networks, 2015, 66, 136-144.	1.6	0
34	Delay Management Including Capacities of Stations. Transportation Science, 2015, 49, 185-203.	2.6	49
35	Locating a median line with partial coverage distance. Journal of Global Optimization, 2015, 62, 371-389.	1.1	4
36	The complexity of integrating passenger routing decisions in public transportation models. Networks, 2015, 65, 228-243.	1.6	32

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37	Ellipsoid Bounds for Convex Quadratic Integer Programming. SIAM Journal on Optimization, 2015, 25, 741-769.	1.2	9
38	Timetabling with passenger routing. OR Spectrum, 2015, 37, 75-97.	2.1	53
39	The robust knapsack problem with queries. Computers and Operations Research, 2015, 55, 12-22.	2.4	23
40	Location of Dimensional Facilities in a Continuous Space. , 2015, , 135-175.		6
41	The Price of Strict and Light Robustness in Timetable Information. Transportation Science, 2014, 48, 225-242.	2.6	32
42	A maximum trip covering location problem with an alternative mode of transportation on tree networks and segments. Top, 2014, 22, 227-253.	1.1	9
43	Locating an axis-parallel rectangle on a Manhattan plane. Top, 2014, 22, 185-207.	1.1	6
44	A solution algorithm for non-convex mixed integer optimization problems with only few continuous variables. European Journal of Operational Research, 2014, 232, 266-275.	3.5	12
45	Rules of thumb: practical online-strategies for delay management. Public Transport, 2014, 6, 85-105.	1.7	15
46	Minmax robustness for multi-objective optimization problems. European Journal of Operational Research, 2014, 239, 17-31.	3.5	204
47	When is rounding allowed in integer nonlinear optimization?. European Journal of Operational Research, 2014, 237, 404-410.	3.5	16
48	Recovery-to-optimality: A new two-stage approach to robustness with an application to aperiodic timetabling. Computers and Operations Research, 2014, 52, 1-15.	2.4	43
49	The relationship between multi-objective robustness concepts and set-valued optimization. Fixed Point Theory and Applications, 2014, 2014, 83.	1.1	45
50	Robust load planning of trains in intermodal transportation. OR Spectrum, 2014, 36, 631-668.	2.1	38
51	Location of speed-up subnetworks. Annals of Operations Research, 2014, 223, 379-401.	2.6	6
52	Generalized light robustness and the trade-off between robustness and nominal quality. Mathematical Methods of Operations Research, 2014, 80, 161-191.	0.4	60
53	Improving the modulo simplex algorithm for large-scale periodic timetabling. Computers and Operations Research, 2013, 40, 1363-1370.	2.4	40
54	Finding delay-resistant line concepts using a game-theoretic approach. NETNOMICS: Economic Research and Electronic Networking, 2013, 14, 95-117.	0.9	5

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55	Evaluating line concepts using travel times and robustness. Public Transport, 2013, 5, 267-284.	1.7	43
56	Minsum hyperspheres in normed spaces. Discrete Applied Mathematics, 2012, 160, 2221-2233.	0.5	6
57	Delay Management with Rerouting of Passengers. Transportation Science, 2012, 46, 74-89.	2.6	105
58	Line planning in public transportation: models and methods. OR Spectrum, 2012, 34, 491-510.	2.1	196
59	Multi-stage recovery robustness for optimization problems: A new concept for planning under disturbances. Information Sciences, 2012, 190, 107-126.	4.0	18
60	A Scenario-Based Approach for Robust Linear Optimization. Lecture Notes in Computer Science, 2011, , 139-150.	1.0	15
61	A global optimization procedure for the location of a median line in the three-dimensional space. European Journal of Operational Research, 2011, 215, 14-20.	3.5	8
62	An approximation algorithm for convex multi-objective programming problems. Journal of Global Optimization, 2011, 50, 397-416.	1.1	61
63	Geometric fit of a point set by generalized circles. Journal of Global Optimization, 2011, 51, 115-132.	1.1	6
64	Locating a general minisum â€˜circleâ€™ on the plane. 4or, 2011, 9, 351-370.	1.0	8
65	On the Similarities of Some Multiâ€Criteria Decision Analysis Methods. Journal of Multi-Criteria Decision Analysis, 2011, 18, 219-230.	1.0	32
66	Engineering the Modulo Network Simplex Heuristic for the Periodic Timetabling Problem. Lecture Notes in Computer Science, 2011, , 181-192.	1.0	5
67	The theoretical and empirical rate of convergence for geometric branch-and-bound methods. Journal of Global Optimization, 2010, 48, 473-495.	1.1	28
68	Computing delay resistant railway timetables. Computers and Operations Research, 2010, 37, 857-868.	2.4	104
69	The big cube small cube solution method for multidimensional facility location problems. Computers and Operations Research, 2010, 37, 115-122.	2.4	55
70	To Wait or Not to Waitâ€”And Who Goes First? Delay Management with Priority Decisions. Transportation Science, 2010, 44, 307-321.	2.6	93
71	THE CONTINUOUS STOP LOCATION PROBLEM IN PUBLIC TRANSPORTATION NETWORKS. Asia-Pacific Journal of Operational Research, 2009, 26, 13-30.	0.9	35
72	Locating a minisum circle in the plane. Discrete Applied Mathematics, 2009, 157, 901-912.	0.5	25

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73	Stop location design in public transportation networks: covering and accessibility objectives. Top, 2009, 17, 335-346.	1.1	25
74	Capacity constraints in delay management. Public Transport, 2009, 1, 135-154.	1.7	67
75	Integrating line planning, timetabling, and vehicle scheduling: a customer-oriented heuristic. Public Transport, 2009, 1, 211-232.	1.7	86
76	Recoverable Robustness in Shunting and Timetabling. Lecture Notes in Computer Science, 2009, , 28-60.	1.0	35
77	A Bicriteria Approach for Robust Timetabling. Lecture Notes in Computer Science, 2009, , 119-144.	1.0	25
78	The path player game. Mathematical Methods of Operations Research, 2008, 68, 1-20.	0.4	2
79	Locating a Circle on a Sphere. Operations Research, 2007, 55, 782-791.	1.2	10
80	To Wait or Not to Wait? The Bicriteria Delay Management Problem in Public Transportation. Transportation Science, 2007, 41, 527-538.	2.6	54
81	Integer Programming Approaches for Solving the Delay Management Problem. , 2007, , 145-170.		56
82	Locating Stops Along Bus or Railway Linesâ€"A Bicriteria Problem. Annals of Operations Research, 2005, 136, 211-227.	2.6	38
83	Set covering with almost consecutive ones property. Discrete Optimization, 2004, 1, 215-228.	0.6	28
84	Continuous location of dimensional structures. European Journal of Operational Research, 2004, 152, 22-44.	3.5	53
85	Design of Zone Tariff Systems in Public Transportation. Operations Research, 2004, 52, 897-908.	1.2	21
86	Properties of Three-Dimensional Median Line Location Models. Annals of Operations Research, 2003, 122, 71-85.	2.6	13
87	On Center Cycles in Grid Graphs. Annals of Operations Research, 2003, 122, 163-175.	2.6	1
88	Anchored Hyperplane Location Problems. Discrete and Computational Geometry, 2003, 29, 229-238.	0.4	12
89	Covering Population Areas by Railway Stops. , 2003, , 187-192.		3
90	Linear Facility Location in Three Dimensionsâ€"Models and Solution Methods. Operations Research, 2002, 50, 1050-1057.	1.2	24

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91	A Model for the Delay Management Problem based on Mixed-Integer-Programming. Electronic Notes in Theoretical Computer Science, 2001, 50, 1-10.	0.9	91
92	Locating New Stops in a Railway Network1 1This work was partially supported by the Human Potential Programme of the European Union under contract no. HPRN-CT-1999-00104 (AMORE).. Electronic Notes in Theoretical Computer Science, 2001, 50, 13-23.	0.9	38
93	Solving restricted line location problems via a dual interpretation. Discrete Applied Mathematics, 1999, 93, 109-125.	0.5	6
94	Locating least-distant lines in the plane. European Journal of Operational Research, 1998, 106, 152-159.	3.5	24
95	Median hyperplanes in normed spaces â€" a survey. Discrete Applied Mathematics, 1998, 89, 181-195.	0.5	36
96	A note on center problems with forbidden polyhedra. Operations Research Letters, 1997, 20, 165-169.	0.5	16