

# Stefan RĂpke

## List of Publications by Year in descending order

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45  
papers

6,391  
citations

172207

29  
h-index

264894

42  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3466  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Adaptive Large Neighborhood Search Heuristic for the Pickup and Delivery Problem with Time Windows. <i>Transportation Science</i> , 2006, 40, 455-472.	2.6	1,499
2	A general heuristic for vehicle routing problems. <i>Computers and Operations Research</i> , 2007, 34, 2403-2435.	2.4	993
3	The Electric Fleet Size and Mix Vehicle Routing Problem with Time Windows and Recharging Stations. <i>European Journal of Operational Research</i> , 2016, 252, 995-1018.	3.5	374
4	A unified heuristic for a large class of Vehicle Routing Problems with Backhauls. <i>European Journal of Operational Research</i> , 2006, 171, 750-775.	3.5	351
5	Branch and Cut and Price for the Pickup and Delivery Problem with Time Windows. <i>Transportation Science</i> , 2009, 43, 267-286.	2.6	336
6	Horizontal cooperation among freight carriers: request allocation and profit sharing. <i>Journal of the Operational Research Society</i> , 2008, 59, 1483-1491.	2.1	257
7	Models and branch-and-cut algorithms for pickup and delivery problems with time windows. <i>Networks</i> , 2007, 49, 258-272.	1.6	236
8	An adaptive large neighborhood search metaheuristic for the vehicle routing problem with drones. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 102, 289-315.	3.9	236
9	Large Neighborhood Search. <i>Profiles in Operations Research</i> , 2010, , 399-419.	0.3	217
10	An adaptive large neighborhood search heuristic for the Electric Vehicle Scheduling Problem. <i>Computers and Operations Research</i> , 2016, 76, 73-83.	2.4	153
11	Models for the discrete berth allocation problem: A computational comparison. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2011, 47, 461-473.	3.7	134
12	Integrated Berth Allocation and Quay Crane Assignment Problem: Set partitioning models and computational results. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 81, 75-97.	3.7	134
13	Scheduling technicians and tasks in a telecommunications company. <i>Journal of Scheduling</i> , 2010, 13, 393-409.	1.3	123
14	The Waste Collection Vehicle Routing Problem with Time Windows in a City Logistics Context. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 39, 241-254.	0.5	118
15	Branch and Price for the Time-Dependent Vehicle Routing Problem with Time Windows. <i>Transportation Science</i> , 2013, 47, 380-396.	2.6	102
16	Improved formulations and an Adaptive Large Neighborhood Search heuristic for the integrated berth allocation and quay crane assignment problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 105, 123-147.	3.7	102
17	A Branch-and-Cut Algorithm for the Symmetric Two-Echelon Capacitated Vehicle Routing Problem. <i>Transportation Science</i> , 2013, 47, 23-37.	2.6	98
18	A branch-and-price algorithm to solve the integrated berth allocation and yard assignment problem in bulk ports. <i>European Journal of Operational Research</i> , 2014, 235, 399-411.	3.5	84

#	ARTICLE	IF	CITATIONS
19	Formulations and Branch-and-Cut Algorithms for the Generalized Vehicle Routing Problem. <i>Transportation Science</i> , 2011, 45, 299-316.	2.6	79
20	The time constrained multi-commodity network flow problem and its application to liner shipping network design. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 76, 122-138.	3.7	78
21	Flexible ship loading problem with transfer vehicle assignment and scheduling. <i>Transportation Research Part B: Methodological</i> , 2018, 111, 113-134.	2.8	78
22	Modeling and solving a multimodal transportation problem with flexible time and scheduled services. <i>Networks</i> , 2011, 57, 53-68.	1.6	66
23	The traveling salesman problem with pickup and delivery: polyhedral results and a branch-and-cut algorithm. <i>Mathematical Programming</i> , 2010, 121, 269-305.	1.6	64
24	The Simultaneous Vehicle Scheduling and Passenger Service Problem. <i>Transportation Science</i> , 2013, 47, 603-616.	2.6	55
25	Large Neighborhood Search. <i>Profiles in Operations Research</i> , 2019, , 99-127.	0.3	52
26	Full-shipload tramp ship routing and scheduling with variable speeds. <i>Computers and Operations Research</i> , 2016, 70, 1-8.	2.4	44
27	A comparison of acceptance criteria for the adaptive large neighbourhood search metaheuristic. <i>Journal of Heuristics</i> , 2018, 24, 783-815.	1.1	43
28	A branch-and-cut-and-price approach for the pickup and delivery problem with shuttle routes. <i>European Journal of Operational Research</i> , 2014, 236, 849-862.	3.5	41
29	Recent Models and Algorithms for One-to-One Pickup and Delivery Problems. <i>Operations Research/Computer Science Interfaces Series</i> , 2008, , 327-357.	0.3	40
30	Chapter 4: Heuristics for the Vehicle Routing Problem. , 2014, , 87-116.		38
31	A branch-and-price approach to the feeder network design problem. <i>European Journal of Operational Research</i> , 2018, 264, 607-622.	3.5	24
32	The liquefied natural gas infrastructure and tanker fleet sizing problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 99, 96-114.	3.7	21
33	Integrated Liner Shipping Network Design and Scheduling. <i>Transportation Science</i> , 2020, 54, 512-533.	2.6	21
34	Simultaneous Optimization of Container Ship Sailing Speed and Container Routing with Transit Time Restrictions. <i>Transportation Science</i> , 2018, 52, 769-787.	2.6	20
35	The Pickup and Delivery Problem with Cross-Docking Opportunity. <i>Lecture Notes in Computer Science</i> , 2011, , 101-113.	1.0	19
36	A column-generation-based matheuristic for periodic and symmetric train timetabling with integrated passenger routing. <i>European Journal of Operational Research</i> , 2022, 297, 511-531.	3.5	15

#	ARTICLE	IF	CITATIONS
37	The Multiport Berth Allocation Problem with Speed Optimization: Exact Methods and a Cooperative Game Analysis. <i>Transportation Science</i> , 2022, 56, 972-999.	2.6	14
38	Centralised horizontal cooperation and profit sharing in a shipping pool. <i>Journal of the Operational Research Society</i> , 2019, 70, 737-750.	2.1	9
39	Cover Inequalities for a Vehicle Routing Problem with Time Windows and Shifts. <i>Transportation Science</i> , 2019, 53, 1354-1371.	2.6	7
40	A note on a model for quay crane scheduling with non-crossing constraints. <i>Engineering Optimization</i> , 2015, 47, 860-865.	1.5	6
41	The mobile production vehicle routing problem: Using 3D printing in last mile distribution. <i>European Journal of Operational Research</i> , 2023, 305, 1407-1423.	3.5	5
42	Routing strategy in a distribution network when the driver learning effect is considered. <i>International Journal of Logistics Systems and Management</i> , 2015, 21, 385.	0.2	4
43	Consistency Cuts for Dantzig-Wolfe Reformulations. <i>Operations Research</i> , 2022, 70, 2883-2905.	1.2	1
44	ROUTE 2009: Recent advances in vehicle routing optimization. <i>Networks</i> , 2011, 58, 239-240.	1.6	0
45	Simultaneously exploiting two formulations: An exact benders decomposition approach. <i>Computers and Operations Research</i> , 2020, 123, 105041.	2.4	0