Stefan Rpke

List of Publications by Citations

42 papers	4,523 citations	27 h-index	45 g-index
45 ext. papers	5,425 ext. citations	4 avg, IF	6.05 L-index

#	Paper	IF	Citations
42	An Adaptive Large Neighborhood Search Heuristic for the Pickup and Delivery Problem with Time Windows. *Transportation Science*, **2006**, 40, 455-472	4.4	1028
41	A general heuristic for vehicle routing problems. *Computers and Operations Research*, **2007**, 34, 2403-2435	4	757
40	A unified heuristic for a large class of Vehicle Routing Problems with Backhauls. *European Journal of Operational Research*, **2006**, 171, 750-775	5.6	270
39	Branch and Cut and Price for the Pickup and Delivery Problem with Time Windows. *Transportation Science*, **2009**, 43, 267-286	4.4	252
38	The Electric Fleet Size and Mix Vehicle Routing Problem with Time Windows and Recharging Stations. *European Journal of Operational Research*, **2016**, 252, 995-1018	5.6	248
37	Horizontal cooperation among freight carriers: request allocation and profit sharing. *Journal of the Operational Research Society*, **2008**, 59, 1483-1491	2	217
36	Models and branch-and-cut algorithms for pickup and delivery problems with time windows. *Networks*, **2007**, 49, 258-272	1.6	185
35	Large Neighborhood Search. *Profiles in Operations Research*, **2010**, 399-419	1	165
34	Models for the discrete berth allocation problem: A computational comparison. *Transportation Research, Part E: Logistics and Transportation Review*, **2011**, 47, 461-473	9	111
33	An adaptive large neighborhood search metaheuristic for the vehicle routing problem with drones. *Transportation Research Part C: Emerging Technologies*, **2019**, 102, 289-315	8.4	99
32	Integrated Berth Allocation and Quay Crane Assignment Problem: Set partitioning models and computational results. *Transportation Research, Part E: Logistics and Transportation Review*, **2015**, 81, 75-97	9	98
31	An adaptive large neighborhood search heuristic for the Electric Vehicle Scheduling Problem. *Computers and Operations Research*, **2016**, 76, 73-83	4.6	96
30	Scheduling technicians and tasks in a telecommunications company. *Journal of Scheduling*, **2010**, 13, 393-409	1.6	93
29	The Waste Collection Vehicle Routing Problem with Time Windows in a City Logistics Context. *Procedia, Social and Behavioral Sciences*, **2012**, 39, 241-254		83
28	A Branch-and-Cut Algorithm for the Symmetric Two-Echelon Capacitated Vehicle Routing Problem. *Transportation Science*, **2013**, 47, 23-37	4.4	77
27	Improved formulations and an Adaptive Large Neighborhood Search heuristic for the integrated berth allocation and quay crane assignment problem. *Transportation Research, Part E: Logistics and Transportation Review*, **2017**, 105, 123-147	9	70
26	Branch and Price for the Time-Dependent Vehicle Routing Problem with Time Windows. *Transportation Science*, **2013**, 47, 380-396	4.4	68

25	Formulations and Branch-and-Cut Algorithms for the Generalized Vehicle Routing Problem. *Transportation Science*, **2011**, 45, 299-316	4.4	61
24	The time constrained multi-commodity network flow problem and its application to liner shipping network design. *Transportation Research, Part E: Logistics and Transportation Review*, **2015**, 76, 122-138	9	60
23	A branch-and-price algorithm to solve the integrated berth allocation and yard assignment problem in bulk ports. *European Journal of Operational Research*, **2014**, 235, 399-411	5.6	56
22	Flexible ship loading problem with transfer vehicle assignment and scheduling. *Transportation Research Part B: Methodological*, **2018**, 111, 113-134	7.2	55
21	The traveling salesman problem with pickup and delivery: polyhedral results and a branch-and-cut algorithm. *Mathematical Programming*, **2010**, 121, 269-305	2.1	55
20	Modeling and solving a multimodal transportation problem with flexible-time and scheduled services. *Networks*, **2011**, 57, 53-68	1.6	54
19	The Simultaneous Vehicle Scheduling and Passenger Service Problem. *Transportation Science*, **2013**, 47, 603-616	4.4	39
18	A branch-and-cut-and-price approach for the pickup and delivery problem with shuttle routes. *European Journal of Operational Research*, **2014**, 236, 849-862	5.6	33
17	Recent Models and Algorithms for One-to-One Pickup and Delivery Problems. *Operations Research/ Computer Science Interfaces Series*, **2008**, 327-357	0.3	28
16	Full-shipload tramp ship routing and scheduling with variable speeds. *Computers and Operations Research*, **2016**, 70, 1-8	4.6	27
15	Chapter 4: Heuristics for the Vehicle Routing Problem **2014**, 87-116		27
14	A comparison of acceptance criteria for the adaptive large neighbourhood search metaheuristic. *Journal of Heuristics*, **2018**, 24, 783-815	1.9	17
13	The liquefied natural gas infrastructure and tanker fleet sizing problem. *Transportation Research, Part E: Logistics and Transportation Review*, **2017**, 99, 96-114	9	15
12	A branch-and-price approach to the feeder network design problem. *European Journal of Operational Research*, **2018**, 264, 607-622	5.6	15
11	The Pickup and Delivery Problem with Cross-Docking Opportunity. *Lecture Notes in Computer Science*, **2011**, 101-113	0.9	14
10	Simultaneous Optimization of Container Ship Sailing Speed and Container Routing with Transit Time Restrictions. *Transportation Science*, **2018**, 52, 769-787	4.4	11
9	Integrated Liner Shipping Network Design and Scheduling. *Transportation Science*, **2020**,	4.4	10
8	Large Neighborhood Search. *Profiles in Operations Research*, **2019**, 99-127	1	9

7	A note on a model for quay crane scheduling with non-crossing constraints. *Engineering Optimization*, **2015**, 47, 860-865	2	5
6	Centralised horizontal cooperation and profit sharing in a shipping pool. *Journal of the Operational Research Society*, **2019**, 70, 737-750	2	4
5	Cover Inequalities for a Vehicle Routing Problem with Time Windows and Shifts. *Transportation Science*, **2019**, 53, 1354-1371	4.4	3
4	Routing strategy in a distribution network when the driver learning effect is considered. *International Journal of Logistics Systems and Management*, **2015**, 21, 385	0.7	3
3	A column-generation-based matheuristic for periodic and symmetric train timetabling with integrated passenger routing. *European Journal of Operational Research*, **2021**,	5.6	3
2	Simultaneously exploiting two formulations: An exact benders decomposition approach. *Computers and Operations Research*, **2020**, 123, 105041	4.6	
1	ROUTE 2009: Recent advances in vehicle routing optimization. *Networks*, **2011**, 58, 239-240	1.6	