Dirk Mattfeld

List of Publications by Year in Descending Order

70 papers	**1,595** citations	**21** h-index	**38** g-index
75 ext. papers	**1,958** ext. citations	**3.4** avg, IF	**5.17** L-index

#	Paper	IF	Citations
70	Relocation planning with partly autonomous vehicles in car sharing systems. *Transportation Research Procedia*, **2022**, 62, 213-220	2.4	1
69	Stochastic dynamic vehicle routing in the light of prescriptive analytics: A review. *European Journal of Operational Research*, **2021**, 298, 801-801	5.6	3
68	Assessing the operational impact of tactical planning models for bike-sharing redistribution. *Transportation Research, Part A: Policy and Practice*, **2021**, 150, 216-235	3.7	0
67	On modeling stochastic dynamic vehicle routing problems. *EURO Journal on Transportation and Logistics*, **2020**, 9, 100008	2.4	17
66	Integrating Resource Management in Service Network Design for Bike-Sharing Systems. *Transportation Science*, **2020**, 54, 1251-1271	4.4	4
65	Dynamic discretization discovery for the service network design problem with mixed autonomous fleets. *Transportation Research Part B: Methodological*, **2020**, 141, 164-195	7.2	4
64	Interval travel times for robust synchronization in city logistics vehicle routing. *Transportation Research, Part E: Logistics and Transportation Review*, **2020**, 143, 102058	9	3
63	The multi-vehicle stochastic-dynamic inventory routing problem for bike sharing systems. *Business Research*, **2020**, 13, 69-92	3.8	5
62	Binary driver-customer familiarity in service routing. *European Journal of Operational Research*, **2020**, 286, 477-493	5.6	3
61	Cost-Efficient and Reliable City Logistics Vehicle Routing with Satellite Locations under Travel Time Uncertainty. *Transportation Research Procedia*, **2019**, 37, 83-90	2.4	8
60	Adaptive State Space Partitioning for Dynamic Decision Processes. *Business and Information Systems Engineering*, **2019**, 61, 261-275	3.8	2
59	Towards customer-induced service orchestration - requirements for the next step of customer orientation. *Electronic Markets*, **2019**, 29, 79-91	4.8	19
58	Dynamic Lookahead Policies for Stochastic-Dynamic Inventory Routing in Bike Sharing Systems. *Computers and Operations Research*, **2019**, 106, 260-279	4.6	32
57	Preemptive depot returns for dynamic same-day delivery. *EURO Journal on Transportation and Logistics*, **2019**, 8, 327-361	2.4	25
56	Dynamic Policy Selection for a Stochastic-Dynamic Knapsack Problem. *Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR*, **2019**, 319-327	0.1	
55	Service network design with mixed autonomous fleets. *Transportation Research, Part E: Logistics and Transportation Review*, **2019**, 124, 40-55	9	25
54	Offline Online Approximate Dynamic Programming for Dynamic Vehicle Routing with Stochastic Requests. *Transportation Science*, **2019**, 53, 185-202	4.4	40

#	Reference		
53	Value function approximation for dynamic multi-period vehicle routing. *European Journal of Operational Research*, **2018**, 269, 883-899	5.6	20
52	Anticipating emission-sensitive traffic management strategies for dynamic delivery routing. *Transportation Research, Part D: Transport and Environment*, **2018**, 62, 345-361	6.4	10
51	Budgeting Time for Dynamic Vehicle Routing with Stochastic Customer Requests. *Transportation Science*, **2018**, 52, 20-37	4.4	43
50	Service Network Design for Same Day Delivery with Mixed Autonomous Fleets. *Transportation Research Procedia*, **2018**, 30, 23-32	2.4	11
49	GIS-based identification and assessment of suitable meeting point locations for ride-sharing. *Transportation Research Procedia*, **2017**, 22, 314-324	2.4	16
48	Cost-Efficient Allocation of Bikes to Stations in Bike Sharing Systems. *Lecture Notes in Computer Science*, **2017**, 498-512	0.9	2
47	Dynamic Routing: Anticipation of Emission-Sensitive Traffic Management. *Transportation Research Procedia*, **2017**, 22, 419-429	2.4	0
46	Evaluation of Alternative Paths for Reliable Routing in City Logistics. *Transportation Research Procedia*, **2017**, 27, 1195-1202	2.4	3
45	Automatic Defect Detection by Classifying Aggregated Vehicular Behavior. *Lecture Notes in Computer Science*, **2017**, 205-214	0.9	
44	Interval Travel Times for More Reliable Routing in City Logistics. *Transportation Research Procedia*, **2016**, 12, 239-251	2.4	6
43	A Rollout Algorithm for Vehicle Routing with Stochastic Customer Requests. *Lecture Notes in Logistics*, **2016**, 217-227	0.5	9
42	Inventory Routing for Bike Sharing Systems. *Transportation Research Procedia*, **2016**, 19, 316-327	2.4	20
41	Autonomous car and ride sharing: flexible road trains **2016**,		4
40	Service Network Design of Bike Sharing Systems with Resource Constraints. *Lecture Notes in Computer Science*, **2016**, 352-366	0.9	1
39	Anticipatory Service Network Design of Bike Sharing Systems. *Transportation Research Procedia*, **2015**, 10, 355-363	2.4	11
38	Short-term Strategies for Stochastic Inventory Routing in Bike Sharing Systems. *Transportation Research Procedia*, **2015**, 10, 364-373	2.4	32
37	Call for Papers: Issue 3/2017. *Business and Information Systems Engineering*, **2015**, 57, 417-418	3.8	
36	Exploiting Travel Time Information for Reliable Routing in City Logistics. *Transportation Research Procedia*, **2015**, 10, 652-661	2.4	5

35	Road Traffic Related Injury Research and Informatics. New Opportunities for Biomedical and Health Informatics as a Contribution to the United Nations Sustainable Development Goals?. *Methods of Information in Medicine*, **2015**, 54, 474-6	1.5	2
34	Cooperative Traffic Control Management for City Logistic Routing. *Transportation Research Procedia*, **2015**, 10, 673-682	2.4	15
33	Anticipatory Planning for Courier, Express and Parcel Services. *Lecture Notes in Logistics*, **2015**, 313-324	0.5	8
32	Model-Based Decision Support in Manufacturing and Service Networks. *Business and Information Systems Engineering*, **2014**, 6, 17-24	3.8	14
31	Modellbasierte Entscheidungsunterstützung in Produktions- und Dienstleistungsnetzwerken. *Business & Information Systems Engineering*, **2014**, 56, 21-29		3
30	A Hybrid Metaheuristic to Solve the Resource Allocation Problem in Bike Sharing Systems. *Lecture Notes in Computer Science*, **2014**, 16-29	0.9	21
29	Temporal and Spatial Clustering for a Parking Prediction Service **2014**,		33
28	Strategic Decision Support for Airside Operations at Commercial Airports. *Lecture Notes in Computer Science*, **2014**, 132-150	0.9	4
27	Vehicle Routing for Attended Home Delivery in City Logistics. *Procedia, Social and Behavioral Sciences*, **2012**, 39, 622-632		27
26	Floating car based travel times for city logistics. *Transportation Research Part C: Emerging Technologies*, **2012**, 21, 338-352	8.4	56
25	Manifest Kundeninduzierte Orchestrierung komplexer Dienstleistungen. *Informatik-Spektrum*, **2012**, 35, 399-408	0.3	7
24	Scheduling Logistics Activities in Staged Queues with Sequence-Dependent Changeover and Processing Times **2012**,		2
23	Advanced routing for city logistics service providers based on time-dependent travel times. *Journal of Computational Science*, **2012**, 3, 193-205	3.4	64
22	Analytical Modeling for the Strategic Design of Service Systems. *International Journal of Strategic Information Technology and Applications*, **2012**, 3, 1-15	0.5	
21	Scheduling operations at system choke points with sequence-dependent delays and processing times. *Transportation Research, Part E: Logistics and Transportation Review*, **2011**, 47, 669-680	9	28
20	Integration of information and optimization models for vehicle routing in urban areas. *Procedia, Social and Behavioral Sciences*, **2011**, 20, 110-119		4
19	Understanding Bike-Sharing Systems using Data Mining: Exploring Activity Patterns. *Procedia, Social and Behavioral Sciences*, **2011**, 20, 514-523		190
18	Interactive analysis of discrete-event logistics systems with support of a data warehouse. *Computers in Industry*, **2011**, 62, 578-586	11.6	9

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17	Strategic and Operational Planning of Bike-Sharing Systems by Data Mining – A Case Study. *Lecture Notes in Computer Science*, **2011**, 127-141	0.9	35
16	Floating Car Data Based Analysis of Urban Travel Times for the Provision of Traffic Quality. *Profiles in Operations Research*, **2010**, 129-149	1	13
15	Synergies of Operations Research and Data Mining. *European Journal of Operational Research*, **2010**, 206, 1-10	5.6	53
14	Integration of vehicle routing and resource allocation in a dynamic logistics network. *Transportation Research Part C: Emerging Technologies*, **2009**, 17, 149-162	8.4	19
13	Data chain management for planning in city logistics. *International Journal of Data Mining, Modelling and Management*, **2009**, 1, 335	0.2	14
12	Integrationskonzepte für das taktische und operationale Management von Ladungsträgern **2009**, 261-278		1
11	HIS modelling and simulation based cost-benefit analysis of a telemedical system for closed-loop diabetes therapy. *International Journal of Medical Informatics*, **2007**, 76 Suppl 3, S447-55	5.3	11
10	The allocation of storage space for transshipment in vehicle distribution **2007**, 267-289		
9	The allocation of storage space for transshipment in vehicle distribution. *OR Spectrum*, **2006**, 28, 681-703	1.9	10
8	Simulation based cost-benefit analysis of a telemedical system for closed-loop insulin pump therapy of diabetes. *Studies in Health Technology and Informatics*, **2006**, 124, 435-40	0.5	2
7	Anticipation and flexibility in dynamic scheduling. *International Journal of Production Research*, **2005**, 43, 3103-3129	7.8	69
6	An efficient genetic algorithm for job shop scheduling with tardiness objectives. *European Journal of Operational Research*, **2004**, 155, 616-630	5.6	122
5	Memetic Algorithm timetabling for non-commercial sport leagues. *European Journal of Operational Research*, **2004**, 153, 102-116	5.6	40
4	Anticipation in Dynamic Optimization: The Scheduling Case. *Lecture Notes in Computer Science*, **2000**, 253-262	0.9	15
3	Production scheduling and rescheduling with genetic algorithms. *Evolutionary Computation*, **1999**, 7, 1-17	4.3	205
2	On permutation representations for scheduling problems. *Lecture Notes in Computer Science*, **1996**, 310-318	0.9	60
1	Evolutionary Search and the Job Shop **1996**,		54