Stefan Nickel

List of Publications by Year
in descending order

82 papers	3,671 citations	168829 31 h-index	156644 58 g-index
87 all docs	87 docs citations	87 times ranked	3053 citing authors

#	Article	IF	Citations
1	A system dynamics model application to operating room planning and management. Journal of Simulation, 2023, 17, 58-75.	1.0	6
2	Strategic planning of operating room session allocation using stability analysis. Health Systems, 2023, 12, 167-180.	0.9	2
3	A multi-method approach to scheduling and efficiency analysis in dual-resource constrained job shops with processing time uncertainty. Computers and Industrial Engineering, 2022, 168, 108067.	3.4	7
4	A two-phase sequential approach to design bioenergy supply chains under uncertainty and social concerns. Computers and Chemical Engineering, 2021, 145, 107131.	2.0	21
5	Modeling a pre-hospital emergency medical service using hybrid simulation and a machine learning approach. Simulation Modelling Practice and Theory, 2021, 109, 102302.	2.2	20
6	Managing the intake of new patients into a physician panel over time. European Journal of Operational Research, 2021, 294, 391-403.	3.5	1
7	Simulation-based multi-criteria decision making: an interactive method with a case study on infectious disease epidemics. Annals of Operations Research, 2021, , 1-30.	2.6	4
8	Exact distributional analysis of online algorithms with lookahead. 4or, 2021, 19, 199-233.	1.0	0
9	A structuring review on multi-stage optimization under uncertainty: Aligning concepts from theory and practice. Omega, 2020, 96, 102080.	3.6	52
10	Neural networks for the metamodeling of simulation models with online decision making. Simulation Modelling Practice and Theory, 2020, 99, 102016.	2.2	20
11	A data-driven methodology for the automated configuration of online algorithms. Decision Support Systems, 2020, 137, 113343.	3.5	6
12	Towards a stochastic programming modeling framework for districting. Annals of Operations Research, 2020, 292, 249-285.	2.6	6
13	The air cargo load planning problem - a consolidated problem definition and literature review on related problems. European Journal of Operational Research, 2019, 275, 399-410.	3.5	40
14	Day-ahead and online decision-making for collaborative on-site logistics. Journal of Simulation, 2019, 13, 138-151.	1.0	0
15	A multi-objective mathematical model to redesign of global sustainable bioenergy supply network. Computers and Chemical Engineering, 2019, 128, 1-20.	2.0	43
16	A global bioenergy supply network redesign through integrating transfer pricing under uncertain condition. Journal of Cleaner Production, 2019, 208, 1081-1095.	4.6	30
17	Multi-Period Facility Location. , 2019, , 303-326.		9
18	Location Problems in Healthcare. , 2019, , 657-686.		9

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19	A multi€period multi€criteria districting problem applied to primary care scheme with gradual assignment. International Transactions in Operational Research, 2019, 26, 1676-1697.	1.8	13
20	Location Logistics in Supply Chain Management. , 2019, , 453-476.		1
21	The impact of electricity tariffs on residential demand side flexibility: results of bottom-up load profile modeling. Energy Systems, 2018, 9, 759-792.	1.8	20
22	A branch-and-price algorithm for the scheduling of customer visits in the context of multi-period service territory design. European Journal of Operational Research, 2018, 269, 382-396.	3.5	10
23	Time traps in supply chains: Is optimal still good enough?. European Journal of Operational Research, 2018, 264, 813-829.	3.5	43
24	A stochastic multi-period capacitated multiple allocation hub location problem: Formulation and inequalities. Omega, 2018, 74, 122-134.	3.6	79
25	Modeling congestion and service time in hub location problems. Applied Mathematical Modelling, 2018, 55, 13-32.	2.2	40
26	Balancing Effort and Plan Quality: Tactical Supply Chain Planning in the Chemical Industry. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 2018, , 629-634.	0.1	0
27	An Innovative Concept for Teaching Operations Research Applied to Health Care. Lecture Notes in Logistics, 2018, , 95-105.	0.6	0
28	Rethinking supply chain risk analysis â€" common flaws & main elements. Supply Chain Forum, 2017, 18, 84-95.	2.7	7
29	Evaluating the quality of online optimization algorithms by discrete event simulation. Central European Journal of Operations Research, 2017, 25, 831-858.	1.1	9
30	Optimization problems with flexible objectives: A general modeling approach and applications. European Journal of Operational Research, 2017, 258, 79-88.	3.5	1
31	The multi-period service territory design problem â€" An introduction, a model and a heuristic approach. Transportation Research, Part E: Logistics and Transportation Review, 2016, 96, 135-157.	3.7	14
32	Optimizing the allocation of fast charging infrastructure along the German autobahn. Journal of Business Economics, 2016, 86, 513-535.	1.3	28
33	Multi-period hub network design problems with modular capacities. Annals of Operations Research, 2016, 246, 289-312.	2.6	43
34	A general modeling approach to online optimization with lookahead. Omega, 2016, 63, 134-153.	3.6	21
35	Patient-based nurse rostering in home care. Operations Research for Health Care, 2016, 8, 91-102.	0.8	73
36	Ambulance location under stochastic demand: A sampling approach. Operations Research for Health Care, 2016, 8, 24-32.	0.8	53

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37	Moving towards an equitable long-term care network: A multi-objective and multi-period planning approach. Omega, 2016, 58, 69-85.	3.6	29
38	Location Problems in Healthcare. , 2015, , 555-579.		18
39	An integrated approach for planning a long-term care network with uncertainty, strategic policy and equity considerations. European Journal of Operational Research, 2015, 247, 321-334.	3.5	36
40	Layout Planning Problems in Health Care. Profiles in Operations Research, 2015, , 109-152.	0.3	11
41	Joint venture formation and partner selection in upstream crude oil section: goal programming application. International Journal of Production Research, 2015, 53, 3047-3061.	4.9	17
42	Several 2â€facility location problems on networks with equity objectives. Networks, 2015, 65, 1-9.	1.6	12
43	A critical review on supply chain risk â€" Definition, measure and modeling. Omega, 2015, 52, 119-132.	3.6	614
44	Multi-Period Facility Location. , 2015, , 289-310.		16
45	Modeling Inter-sector Health Policy Options and Health Gains in a Long-term Care Network: A Location-Allocation Stochastic Planning Approach. Studies in Big Data, 2015, , 23-31.	0.8	3
46	Improving Hospital-wide Patient Scheduling Decisions by Clinical Pathway Mining. Studies in Health Technology and Informatics, 2015, 216, 1066.	0.2	3
47	Multi-product Capacitated Single-Allocation Hub Location Problems: Formulations and Inequalities. Networks and Spatial Economics, 2014, 14, 1-25.	0.7	25
48	An efficient heuristic approach for a multi-period logistics network redesign problem. Top, 2014, 22, 80-108.	1.1	34
49	The multicriteria p-facility median location problem on networks. European Journal of Operational Research, 2014, 235, 484-493.	3.5	14
50	Strategic and tactical mathematical programming models within the crude oil supply chain contextâ€"A review. Computers and Chemical Engineering, 2014, 68, 56-77.	2.0	68
51	Environmentally Conscious Design of Upstream Crude Oil Supply Chain. Industrial & Engineering Chemistry Research, 2014, 53, 11501-11511.	1.8	23
52	Cooperative covering problems on networks. Networks, 2014, 63, 334-349.	1.6	16
53	Multi-period layout planning for hospital wards. Socio-Economic Planning Sciences, 2013, 47, 220-237.	2.5	26
54	The maximum dispersion problem. Omega, 2013, 41, 721-730.	3.6	21

#	ARTICLE	IF	CITATIONS
55	Modeling the demand for long-term care services under uncertain information. Health Care Management Science, 2012, 15, 385-412.	1.5	46
56	Hub location under uncertainty. Transportation Research Part B: Methodological, 2012, 46, 529-543.	2.8	160
57	Mid-term and short-term planning support for home health care services. European Journal of Operational Research, 2012, 219, 574-587.	3.5	177
58	Multi-period reverse logistics network design. European Journal of Operational Research, 2012, 220, 67-78.	3.5	260
59	A multi-stage stochastic supply network design problem with financial decisions and risk management. Omega, 2012, 40, 511-524.	3.6	148
60	Ordered median functions and symmetries. Optimization, 2011, 60, 801-811.	1.0	11
61	Hub location problems in transportation networks. Transportation Research, Part E: Logistics and Transportation Review, 2011, 47, 1092-1111.	3.7	123
62	Hub and spoke network design with single-assignment, capacity decisions and balancing requirements. Applied Mathematical Modelling, 2011, 35, 4841-4851.	2.2	37
63	Dynamic transportation of patients in hospitals. OR Spectrum, 2010, 32, 77-107.	2.1	165
64	An extended covering model for flexible discrete and equity location problems. Mathematical Methods of Operations Research, 2010, 71, 125-163.	0.4	37
65	Extensions to the continuous ordered median problem. Mathematical Methods of Operations Research, 2010, 71, 283-306.	0.4	1
66	Distribution systems design with role dependent objectives. European Journal of Operational Research, 2010, 202, 491-501.	3.5	20
67	The ordered capacitated facility location problem. Top, 2010, 18, 203-222.	1.1	34
68	The capacitated single-allocation hub location problem revisited: A note on a classical formulation. European Journal of Operational Research, 2010, 207, 92-96.	3.5	55
69	Single-assignment hub location problems with multiple capacity levels. Transportation Research Part B: Methodological, 2010, 44, 1047-1066.	2.8	83
70	Logistics network design. OR Spectrum, 2009, 31, 461-463.	2.1	2
71	A flexible model and efficient solution strategies for discrete location problems. Discrete Applied Mathematics, 2009, 157, 1128-1145.	0.5	61
72	Bringing Robustness to Patient Flow Management Through Optimized Patient Transports in Hospitals. Interfaces, 2009, 39, 241-255.	1.6	82

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73	Process Improvement in Hospitals. Quality Management in Health Care, 2009, 18, 326-338.	0.4	18
74	Towards a unified territorial design approach â€" Applications, algorithms and GIS integration. Top, 2005, 13, 1-56.	1.1	148
75	Adapting polyhedral properties from facility to hub location problems. Discrete Applied Mathematics, 2004, 145, 104-116.	0.5	118
76	Robust facility location. Mathematical Methods of Operations Research, 2003, 58, 331-349.	0.4	35
77	Multicriteria Semi-Obnoxious Network Location Problems (MSNLP) with Sum and Center Objectives. Annals of Operations Research, 2002, 110, 33-53.	2.6	21
78	A flexible approach to location problems. Mathematical Methods of Operations Research, 2000, 51, 69-89.	0.4	48
79	Planning and Organisation in the Hospital. , 2000, , 548-553.		2
80	Multicriteria network location problems with sum objectives. Networks, 1999, 33, 79-92.	1.6	33
81	Weberâ€˜s Problem with Attraction and Repulsion under Polyhedral Gauges. Journal of Global Optimization, 1997, 11, 409-432.	1.1	11
82	Online optimization with gradual look-ahead. Operational Research, 0, , 1.	1.3	3