

Peter Nielsen

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

1,280
citations

361045

20
h-index

433756

31
g-index

114
all docs

114
docs citations

114
times ranked

922
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of a local search heuristic for the generalized assignment problem with resource-independent task profits and identical resource capacity. <i>Engineering Optimization</i> , 2022, 54, 1426-1440.	1.5	3
2	Unpacking the Role of Artificial Intelligence for a Multimodal Service System Design. <i>Electronics (Switzerland)</i> , 2022, 11, 549.	1.8	1
3	A GRASP-Based Approach for Planning UAV-Assisted Search and Rescue Missions. <i>Sensors</i> , 2022, 22, 275.	2.1	4
4	UAVs™ Dynamic Routing, Subject to Time Windows Variation. <i>IFAC-PapersOnLine</i> , 2022, 55, 457-462.	0.5	0
5	Comparison of exact and approximate approaches to UAVs mission contingency planning in dynamic environments. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 7091-7121.	1.0	1
6	Systemic Performance Analysis on Zoning for Unmanned Aerial Vehicle-Based Service Delivery. <i>Drones</i> , 2022, 6, 157.	2.7	2
7	On the training of a neural network for online path planning with offline path planning algorithms. <i>International Journal of Information Management</i> , 2021, 57, 102142.	10.5	62
8	Local search methods for type I mixed-model two-sided assembly line balancing problems. <i>Memetic Computing</i> , 2021, 13, 111-130.	2.7	9
9	An improved pre-processing method for cyber physical systems - as illustrated in the earth observation satellite scheduling. , 2021, , .		2
10	Parameter-free and cooperative local search algorithms for graph colouring. <i>Soft Computing</i> , 2021, 25, 15035-15050.	2.1	4
11	A method for planning competency frameworks robust to disruptions - a case study of a manufacturing company. <i>IFAC-PapersOnLine</i> , 2021, 54, 1073-1080.	0.5	2
12	The impact of stochastic lead times on the bullwhip effect under correlated demand and moving average forecasts. <i>Omega</i> , 2020, 93, 102033.	3.6	20
13	UAVs Fleet Mission Planning Subject to Weather Fore-Cast and Energy Consumption Constraints. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 104-114.	0.5	8
14	Zoning a Service Area of Unmanned Aerial Vehicles for Package Delivery Services. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 97, 719-731.	2.0	33
15	Optimisation of cost efficient robotic assembly line using metaheuristic algorithms. <i>European Journal of Industrial Engineering</i> , 2020, 14, 247.	0.5	2
16	Unmanned Aerial Vehicle Routing Problems: A Literature Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4504.	1.3	41
17	An integrated approach for line balancing and AGV scheduling towards smart assembly systems. <i>Assembly Automation</i> , 2020, 40, 219-234.	1.0	35
18	Dynamic Planning of Mobile Service Teams™ Mission Subject to Orders Uncertainty Constraints. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8872.	1.3	4

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19	Unmanned aerial vehicle set covering problem considering fixed-radius coverage constraint. Computers and Operations Research, 2020, 119, 104936.	2.4	20
20	Speed optimization algorithm with routing to minimize fuel consumption under time-dependent travel conditions. Production and Manufacturing Research, 2020, 8, 1-19.	0.9	12
21	UAV Mission Planning Resistant to Weather Uncertainty. Sensors, 2020, 20, 515.	2.1	59
22	Multi Criteria Decision Making for the Multi-Satellite Image Acquisition Scheduling Problem. Sensors, 2020, 20, 1242.	2.1	6
23	A Large-Scale Customer-Facility Network Model for Customer Service Centre Location Applications. Advances in Intelligent Systems and Computing, 2020, , 68-77.	0.5	0
24	A Proactive Approach to Resistant UAV Mission Planning. Advances in Intelligent Systems and Computing, 2020, , 112-124.	0.5	7
25	Reinforcement Learning for Resource Constrained Project Scheduling Problem with Activity Iterations and Crashing. IFAC-PapersOnLine, 2020, 53, 10493-10497.	0.5	4
26	Declarative UAVs Fleet Mission Planning: A Dynamic VRP Approach. Lecture Notes in Computer Science, 2020, , 188-202.	1.0	3
27	Convex Decomposition for a Coverage Path Planning for Autonomous Vehicles: Interior Extension of Edges. Sensors, 2019, 19, 4165.	2.1	32
28	Milk-run routing and scheduling subject to different pick-up/delivery profiles and congestion-avoidance constraints. IFAC-PapersOnLine, 2019, 52, 313-320.	0.5	4
29	A Solution Approach for UAV Fleet Mission Planning in Changing Weather Conditions. Applied Sciences (Switzerland), 2019, 9, 3972.	1.3	22
30	Preface: operations research for transportation. Annals of Operations Research, 2019, 273, 1-3.	2.6	3
31	Competence-driven employee substitutability planning robust to unexpected staff absenteeism. IFAC-PapersOnLine, 2019, 52, 61-66.	0.5	1
32	Instance Scale, Numerical Properties and Design of Metaheuristics: A Study for the Facility Location Problem. IFAC-PapersOnLine, 2019, 52, 2219-2224.	0.5	3
33	Planning deliveries with UAV routing under weather forecast and energy consumption constraints. IFAC-PapersOnLine, 2019, 52, 820-825.	0.5	39
34	Model of decision support for the configuration of manufacturing system. IFAC-PapersOnLine, 2019, 52, 826-831.	0.5	5
35	Comparison of Path Planning Algorithms for an Unmanned Aerial Vehicle Deployment Under Threats. IFAC-PapersOnLine, 2019, 52, 1978-1983.	0.5	18
36	Metaheuristic algorithms for balancing robotic assembly lines with sequence-dependent robot setup times. Applied Mathematical Modelling, 2019, 65, 256-270.	2.2	50

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37	Energy Consumption in Unmanned Aerial Vehicles: A Review of Energy Consumption Models and Their Relation to the UAV Routing. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 173-184.	0.5	55
38	Factors Affecting Energy Consumption of Unmanned Aerial Vehicles: An Analysis of How Energy Consumption Changes in Relation to UAV Routing. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 228-238.	0.5	13
39	A simple and robust Monte Carlo hybrid local search algorithm for the facility location problem. <i>Engineering Optimization</i> , 2019, 51, 832-845.	1.5	6
40	Model and migrating birds optimization algorithm for two-sided assembly line worker assignment and balancing problem. <i>Soft Computing</i> , 2019, 23, 11263-11276.	2.1	24
41	A Declarative Modelling Framework for Routing of Multiple UAVs in a System with Mobile Battery Swapping Stations. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 429-441.	0.5	8
42	Mathematical model and metaheuristics for simultaneous balancing and sequencing of a robotic mixed-model assembly line. <i>Engineering Optimization</i> , 2018, 50, 877-893.	1.5	44
43	Energy-Efficient Straight Robotic Assembly Line Using Metaheuristic Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 803-814.	0.5	2
44	Two strategies of two-level facility network design for autonomous ground vehicle operations. <i>Production and Manufacturing Research</i> , 2018, 6, 494-506.	0.9	5
45	Intelligent manufacturing/production systems: Modeling, algorithms, and optimization. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401881950.	0.8	3
46	Mathematical models and simulated annealing algorithms for the robotic assembly line balancing problem. <i>Assembly Automation</i> , 2018, 38, 420-436.	1.0	15
47	The impact of stochastic lead times on the bullwhip effect – a theoretical insight. <i>Production and Manufacturing Research</i> , 2018, 6, 190-200.	0.9	8
48	Artificial bee colony algorithms for two-sided assembly line worker assignment and balancing problem. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 11-18.	0.5	7
49	Minimizing energy consumption in a straight robotic assembly line using differential evolution algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 45-52.	0.5	1
50	The Actual Nature of Lead Times in Supply Chains Following a Strict Reorder Point Based Approach. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 164-172.	0.5	1
51	An Experimental Investigation of Lead Time and the Effect of Order Crossover. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 89-97.	0.5	0
52	Pre-announcements of price increase intentions in liner shipping spot markets. <i>Transportation Research, Part A: Policy and Practice</i> , 2017, 95, 109-125.	2.0	6
53	Multi-objective co-operative co-evolutionary algorithm for minimizing carbon footprint and maximizing line efficiency in robotic assembly line systems. <i>Journal of Cleaner Production</i> , 2017, 156, 124-136.	4.6	61
54	A constraint-driven approach to food supply chain management. <i>Industrial Management and Data Systems</i> , 2017, 117, 2115-2138.	2.2	25

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55	Lead Times – Their Behavior and the Impact on Planning and Control in Supply Chains. <i>Management and Production Engineering Review</i> , 2017, 8, 30-40.	1.4	9
56	Heuristics for solving a multi-model robotic assembly line balancing problem. <i>Production and Manufacturing Research</i> , 2017, 5, 410-424.	0.9	9
57	MILP models and metaheuristic for balancing and sequencing of mixed-model two-sided assembly lines. <i>European Journal of Industrial Engineering</i> , 2017, 11, 353.	0.5	19
58	Application of Particle Swarm Optimization to Solve Robotic Assembly Line Balancing Problems. , 2017, , 239-267.		6
59	A simulation-based genetic algorithm approach for reducing emissions from import container pick-up operation at container terminal. <i>Annals of Operations Research</i> , 2016, 242, 285-301.	2.6	40
60	Order Quantity Distributions: Estimating an Adequate Aggregation Horizon. <i>Management and Production Engineering Review</i> , 2016, 7, 39-48.	1.4	8
61	Co-evolutionary particle swarm optimization algorithm for two-sided robotic assembly line balancing problem. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401666790.	0.8	34
62	An Approach for Designing Order Size Dependent Lead Time Models for Use in Inventory and Supply Chain Management. <i>Smart Innovation, Systems and Technologies</i> , 2016, , 15-25.	0.5	2
63	A Hybrid Approach to Decision Support for Resource-Constrained Scheduling Problems. <i>Smart Innovation, Systems and Technologies</i> , 2016, , 101-113.	0.5	0
64	Application of Particle Swarm Optimization to Maximize Efficiency of Straight and U-Shaped Robotic Assembly Lines. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 525-533.	0.5	4
65	Lead Times and Order Sizes – A not so Simple Relationship. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 65-75.	0.5	4
66	3D Pallet Stacking with Rigorous Vertical Stability. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 535-543.	0.5	3
67	Big Data Analytics – A Brief Research Synthesis. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 3-9.	0.5	2
68	Material Supply Scheduling for a Mobile Robot with Supply Quantity Consideration – A GA-based Approach. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 41-52.	0.5	1
69	Developing location indicators for Agricultural Service Center: a Delphi – TOPSIS – FAHP approach. <i>Production and Manufacturing Research</i> , 2015, 3, 124-148.	0.9	10
70	An investigation of forecast horizon and observation fit – TM's influence on an econometric rate forecast model in the liner shipping industry. <i>Maritime Policy and Management</i> , 2014, 41, 667-682.	1.9	30
71	Agricultural Service Center Location Problem: Concept and a MCDM Solution Approach. <i>Lecture Notes in Computer Science</i> , 2014, , 611-617.	1.0	3
72	Towards an Analysis Methodology for Identifying Root Causes of Poor Delivery Performance. <i>Foundations of Management</i> , 2014, 6, 31-42.	0.2	1

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73	Scheduling of Mobile Robots with Preemptive Tasks. Advances in Intelligent Systems and Computing, 2014, , 19-27.	0.5	22
74	An Empirical Investigation of Lead Time Distributions. Lecture Notes in Computer Science, 2014, , 435-442.	1.0	12
75	The bullwhip effect in supply chains with stochastic lead times. Mathematical Economics, 2013, , .	0.1	4
76	Practical Considerations about Error Analysis for Discrete Event Simulations Model. IFIP Advances in Information and Communication Technology, 2013, , 707-713.	0.5	0
77	A Design of Experiments Approach to Investigating the Sensitivity of the Re-order Point Method. IFIP Advances in Information and Communication Technology, 2013, , 646-653.	0.5	1
78	Comparison of Criticality of Configuration Choices for Market Price and Product Cost. IFIP Advances in Information and Communication Technology, 2013, , 262-269.	0.5	0
79	Challenges of Measuring Revenue, Margin and Yield Optimization in Container Shipping. IFIP Advances in Information and Communication Technology, 2013, , 654-661.	0.5	0
80	Multimodal Processes Rescheduling. IFIP Advances in Information and Communication Technology, 2013, , 534-541.	0.5	1
81	A decision support system for waste collection management and its potential improvement with Radio-Frequency Identification Technology (RFID). International Journal of Environmental Technology and Management, 2012, 15, 305.	0.1	3
82	A case of cost estimation in an engineer-to-order company moving towards mass customisation. International Journal of Mass Customisation, 2012, 4, 239.	1.2	15
83	Order Quantity Distributions in Make-to-Order Manufacturing: At What Level of Aggregation Do They Respect Standard Assumptions?. International Federation for Information Processing, 2012, , 82-90.	0.4	2
84	Simulation Study of the Volatility of Order Sizes and Their Impact on the Stability of a Simple Manufacturing Environment. International Federation for Information Processing, 2012, , 91-98.	0.4	1
85	Cyclic Steady State Refinement: Multimodal Processes Perspective. International Federation for Information Processing, 2012, , 18-26.	0.4	13
86	Advanced planning and scheduling technology. Production Planning and Control, 2011, 22, 800-808.	5.8	34
87	Special issue on "Applied simulation, planning and scheduling techniques in industry". Production Planning and Control, 2011, 22, 725-726.	5.8	0
88	Analyzing and evaluating product demand interdependencies. Computers in Industry, 2010, 61, 869-876.	5.7	22
89	Optimizing supply chain waste management through the use of RFID technology. , 2010, , .		22
90	Demand Planning & Control "Handling Multiple Perspectives Through a Holistic Approach to Hierarchical Planning. , 2008, , 57-65.		0

#	ARTICLE	IF	CITATIONS
91	Estimating Flexibility Requirements in a Demand-Driven Lean/JIT Environment. Lecture Notes in Computer Science, 2008, , 757-766.	1.0	0
92	Evaluating the Standard Assumptions of Demand Planning and Control. , 2007, , 221-228.		0
93	Determining the pricing strategy for different preference structures for the earth observation satellite scheduling problem through simulation and VIKOR. Flexible Services and Manufacturing Journal, 0, , 1.	1.9	2
94	A task scheduling algorithm for cloud computing with resource reservation. Engineering Optimization, 0, , 1-16.	1.5	0
95	Periodic distributed delivery routes planning subject to operation uncertainty of vehicles travelling in a convoy. Journal of Information and Telecommunication, 0, , 1-21.	2.2	0