

Izabela Nielsen

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,782
citations

304368

22
h-index

301761

39
g-index

92
all docs

92
docs citations

92
times ranked

1423
citing authors

#	ARTICLE	IF	CITATIONS
1	Green supplier selection using fuzzy group decision making methods: A case study from the agri-food industry. <i>Computers and Operations Research</i> , 2018, 89, 337-347.	2.4	358
2	Comparative analysis of government incentives and game structures on single and two-period green supply chain. <i>Journal of Cleaner Production</i> , 2019, 235, 1371-1398.	4.6	104
3	A methodology for implementation of mobile robot in adaptive manufacturing environments. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 1171-1188.	4.4	70
4	Criteria definition and approaches in green supplier selection – a case study for raw material and packaging of food industry. <i>Production and Manufacturing Research</i> , 2015, 3, 149-168.	0.9	69
5	Scheduling a single mobile robot for part-feeding tasks of production lines. <i>Journal of Intelligent Manufacturing</i> , 2014, 25, 1271-1287.	4.4	60
6	A system of UAV application in indoor environment. <i>Production and Manufacturing Research</i> , 2016, 4, 2-22.	0.9	58
7	Task scheduling system for UAV operations in indoor environment. <i>Neural Computing and Applications</i> , 2019, 31, 5431-5459.	3.2	56
8	Optimal retailer investments in green operations and preservation technology for deteriorating items. <i>Journal of Cleaner Production</i> , 2017, 140, 1514-1527.	4.6	53
9	Automated guided vehicles fleet match-up scheduling with production flow constraints. <i>Engineering Applications of Artificial Intelligence</i> , 2014, 30, 49-62.	4.3	44
10	Production flows scheduling subject to fuzzy processing time constraints. <i>International Journal of Computer Integrated Manufacturing</i> , 2016, 29, 1105-1127.	2.9	41
11	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
12	Exploring the intervention of intermediary in a green supply chain. <i>Journal of Cleaner Production</i> , 2019, 233, 1525-1544.	4.6	38
13	Is It a Strategic Move to Subsidized Consumers Instead of the Manufacturer?. <i>IEEE Access</i> , 2019, 7, 169807-169824.	2.6	38
14	Green Supplier Selection Criteria: From a Literature Review to a Flexible Framework for Determination of Suitable Criteria. <i>Ecoproduction</i> , 2014, , 79-99.	0.8	38
15	Differential evolution algorithm for solving RALB problem using cost- and time-based models. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 89, 311-332.	1.5	35
16	Advanced planning and scheduling technology. <i>Production Planning and Control</i> , 2011, 22, 800-808.	5.8	34
17	Scheduling automated transport vehicles for material distribution systems. <i>Applied Soft Computing Journal</i> , 2019, 82, 105552.	4.1	34
18	Game-Theoretic Analysis to Examine How Government Subsidy Policies Affect a Closed-Loop Supply Chain Decision. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 145.	1.3	34

#	ARTICLE	IF	CITATIONS
19	Iterative multimodal processes scheduling. Annual Reviews in Control, 2014, 38, 113-122.	4.4	30
20	A Hybrid Multi-agent Approach to the Solving Supply Chain Problems. Procedia Computer Science, 2014, 35, 1557-1566.	1.2	26
21	Real-Time Order Acceptance and Scheduling Problems in a Flow Shop Environment Using Hybrid GA-PSO Algorithm. IEEE Access, 2019, 7, 112742-112755.	2.6	26
22	Impact of Strategic Cooperation under Competition on Green Product Manufacturing. Sustainability, 2020, 12, 10248.	1.6	24
23	Replenishment policies for empty containers in an inland multi-depot system. Maritime Economics and Logistics, 2013, 15, 120-149.	2.0	23
24	Analyzing and evaluating product demand interdependencies. Computers in Industry, 2010, 61, 869-876.	5.7	22
25	Optimizing supply chain waste management through the use of RFID technology. , 2010, , .		22
26	Scheduling unmanned aerial vehicle and automated guided vehicle operations in an indoor manufacturing environment using differential evolution-fused particle swarm optimization. International Journal of Advanced Robotic Systems, 2018, 15, 172988141775414.	1.3	22
27	Scheduling of Mobile Robots with Preemptive Tasks. Advances in Intelligent Systems and Computing, 2014, , 19-27.	0.5	22
28	Tool speed and polarity effects in micro-EDM drilling of 316L stainless steel. Production and Manufacturing Research, 2017, 5, 99-117.	0.9	21
29	Material supply scheduling in a ubiquitous manufacturing system. Robotics and Computer-Integrated Manufacturing, 2017, 45, 21-33.	6.1	20
30	A Genetic Algorithm-Based Heuristic for Part-Feeding Mobile Robot Scheduling Problem. Advances in Intelligent and Soft Computing, 2012, , 85-92.	0.2	19
31	Lean manufacturing and Industry 4.0 combinative application: Practices and perceived benefits. IFAC-PapersOnLine, 2021, 54, 288-293.	0.5	17
32	Redesign of an in-market food processor for manufacturing cost reduction using DFMA methodology. Production and Manufacturing Research, 2016, 4, 209-227.	0.9	15
33	Multimodal processes prototyping subject to grid-like network and fuzzy operation time constraints. Annals of Operations Research, 2019, 273, 561-585.	2.6	15
34	Reference model of milk-run traffic systems prototyping. International Journal of Production Research, 2021, 59, 4495-4512.	4.9	15
35	A cyclic scheduling approach to maintaining production flow robustness. Advances in Mechanical Engineering, 2018, 10, 168781401774624.	0.8	14
36	Effect of Optimal Subsidy Rate and Strategic Behaviour of Supply Chain Members under Competition on Green Product Retailing. Mathematical Problems in Engineering, 2021, 2021, 1-23.	0.6	14

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37	UAVs Path Planning under a Bi-Objective Optimization Framework for Smart Cities. Electronics (Switzerland), 2021, 10, 1193.	1.8	13
38	Green Supplier Selection in Edible oil Production by a Hybrid Model Using Delphi Method and Green Data Envelopment Analysis (GDEA). Management and Production Engineering Review, 2014, 5, 3-8.	1.4	12
39	Valkyrieâ€™ Design and Development of Gaits for Quadruped Robot Using Particle Swarm Optimization. Applied Sciences (Switzerland), 2021, 11, 7458.	1.3	12
40	Strategic inventory and pricing decision for substitutable products. Computers and Industrial Engineering, 2021, 160, 107570.	3.4	12
41	Solving fixed charge transportation problem with truck load constraint using metaheuristics. Annals of Operations Research, 2019, 273, 207-236.	2.6	10
42	A decision support scheme for beta thalassemia and HbE carrier screening. Journal of Advanced Research, 2020, 24, 183-190.	4.4	10
43	Multimodal processes prototyping subject to fuzzy operation time constraints. IFAC-PapersOnLine, 2015, 48, 2103-2108.	0.5	8
44	Strategic Integration Decision under Supply Chain Competition in the Presence of Online Channel. Symmetry, 2021, 13, 58.	1.1	8
45	Delivery-flow routing and scheduling subject to constraints imposed by vehicle flows in fractal-like networks. Archives of Control Sciences, 2017, 27, 135-150.	1.7	7
46	Production and Resource Scheduling in Mass Customization with Dependent Setup Consideration. Lecture Notes in Production Engineering, 2014, , 461-472.	0.3	7
47	Multimodal processes optimization subject to fuzzy operation time constraints: declarative modeling approach. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 338-347.	1.5	6
48	Re-scheduling of AGVs Steady State Flow. IFAC-PapersOnLine, 2017, 50, 3493-3498.	0.5	6
49	Multi-Objective Human Resource Allocation Approach for Sustainable Traffic Management. International Journal of Environmental Research and Public Health, 2020, 17, 2470.	1.2	6
50	Scheduling System for Multiple Unmanned Aerial Vehicles in Indoor Environments Using the CSP Approach. Smart Innovation, Systems and Technologies, 2016, , 77-87.	0.5	6
51	Estimating Production and Warranty Cost at the Early Stage of a New Product Development Project. IFAC-PapersOnLine, 2021, 54, 1092-1097.	0.5	6
52	Modelling and Scheduling Autonomous Mobile Robot for a Real-World Industrial Application. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 2098-2103.	0.4	5
53	Procurement planning in a multi-period supply chain: An epiphany. Operations Research Perspectives, 2018, 5, 383-398.	1.2	5
54	Toward delay-tolerant multiple-unmanned aerial vehicle scheduling system using Multi-strategy Coevolution algorithm. Advances in Mechanical Engineering, 2018, 10, 168781401881523.	0.8	5

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55	Dilemma in two game structures for a closed-loop supply chain under the influence of government incentives. <i>Journal of Industrial Engineering International</i> , 2019, 15, 291-308.	1.8	5
56	Pricing and quality competition for substitutable green products with a common retailer. <i>Operational Research</i> , 2022, 22, 3713-3746.	1.3	5
57	Concept of Indoor 3D-Route UAV Scheduling System. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 29-40.	0.5	5
58	A decision support system for waste collection management and its potential improvement with Radio-Frequency Identification Technology (RFID). <i>International Journal of Environmental Technology and Management</i> , 2012, 15, 305.	0.1	3
59	Reduction of Congestion in Transport Networks with a Fractal Structure. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 189-201.	0.5	3
60	Reference Model of a Milk-Run Delivery Problem. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 150-160.	0.3	3
61	Rerouting and Rescheduling of In-Plant Milk Run Based Delivery Subject to Supply Reconfigurability Constraints. <i>Studies in Systems, Decision and Control</i> , 2021, , 55-78.	0.8	3
62	Blockage-Free Route Planning for In-Plant Milk-Run Material Delivery Systems. <i>Studies in Systems, Decision and Control</i> , 2020, , 105-132.	0.8	3
63	Mathematical Formulation for Mobile Robot Scheduling Problem in a Manufacturing Cell. <i>International Federation for Information Processing</i> , 2012, , 37-44.	0.4	3
64	Multimodal Processes Approach to Supply Chain Modeling. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 29-37.	0.5	3
65	Declarative Modelling Approach for New Product Development. <i>IFAC-PapersOnLine</i> , 2020, 53, 10525-10530.	0.5	3
66	Production Scheduling using a Multi-Objective framework in an Automotive Company. <i>IFAC-PapersOnLine</i> , 2021, 54, 1087-1091.	0.5	3
67	Replacement of Fishmeal by Fermented Animal Protein Blend in the Feed of <i>Mystus vittatus</i> : Analysis of Optimality By Programming and Modeling. <i>Proceedings of the Zoological Society</i> , 2021, 74, 62-72.	0.4	2
68	A Diophantine Set-Driven Approach to Part Sets Cycle Time Scheduling and Repetitive Flow Balancing. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 233-243.	0.5	2
69	Towards an Analysis Methodology for Identifying Root Causes of Poor Delivery Performance. <i>Foundations of Management</i> , 2014, 6, 31-42.	0.2	1
70	GA-Based Scheduling for Transporting and Manufacturing Mobile Robots in FMS. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 555-563.	0.5	1
71	A decision support model for prototyping in-plant milk-run traffic systems. <i>IFAC-PapersOnLine</i> , 2019, 52, 814-819.	0.5	1
72	Constraint Programming for New Product Development Project Prototyping. <i>Lecture Notes in Computer Science</i> , 2020, , 26-37.	1.0	1

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73	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
74	A Multi-agent Hybrid Approach to Decision Support in Job Groups Handling. Communications in Computer and Information Science, 2015, , 80-89.	0.4	1
75	Material Supply Scheduling for a Mobile Robot with Supply Quantity Considerationâ€™A GA-based Approach. Advances in Intelligent Systems and Computing, 2016, , 41-52.	0.5	1
76	The Actual Nature of Lead Times in Supply Chains Following a Strict Reorder Point Based Approach. Advances in Intelligent Systems and Computing, 2018, , 164-172.	0.5	1
77	Influence of strategic inventory on the equilibrium of two competing supply chains. Infor, 0, , 1-32.	0.5	1
78	Special issue on â€™Applied simulation, planning and scheduling techniques in industryâ€™™. Production Planning and Control, 2011, 22, 725-726.	5.8	0
79	A declarative approach to cyclic processes coupling and scheduling. , 2012, , .		0
80	Planning of vessel speed and fuel bunkering over a route with speed limits. Maritime Economics and Logistics, 2015, 18, 414.	2.0	0
81	A Hybrid Approach to Decision Support for Resource-Constrained Scheduling Problems. Smart Innovation, Systems and Technologies, 2016, , 101-113.	0.5	0
82	Procurement Decisions in Multi-period Supply Chain. IFIP Advances in Information and Communication Technology, 2018, , 433-442.	0.5	0
83	Out-Plant Milk-Run-Driven Mission Planning Subject to Dynamic Changes of Date and Place Delivery. Lecture Notes in Computer Science, 2021, , 151-167.	1.0	0
84	Multi-objective Genetic Algorithm for Real-World Mobile Robot Scheduling Problem. IFIP Advances in Information and Communication Technology, 2013, , 518-525.	0.5	0
85	Competence-Oriented Recruitment of a Project Team Robust to Disruptions. Lecture Notes in Computer Science, 2020, , 13-25.	1.0	0
86	Competence-oriented project team planning â€™ university case study. Journal of Information and Telecommunication, 2021, 5, 310-333.	2.2	0
87	Effect of Product Distribution Structures and Government Subsidy Measures on Product Quality and Consumption under Competition. Sustainability, 2022, 14, 3624.	1.6	0