Reza Tavakkoli-Moghaddam

List of Publications by Year
in descending order

558	15,152	18465 62	49868 87
papers	citations	h-index	g-index

582	582	582	7841
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new multi-objective stochastic model for a forward/reverse logistic network design with responsiveness and quality level. Applied Mathematical Modelling, 2013, 37, 328-344.	2.2	282
2	Sustainable design of a closed-loop location-routing-inventory supply chain network under mixed uncertainty. Transportation Research, Part E: Logistics and Transportation Review, 2016, 89, 182-214.	3.7	263
3	Red deer algorithm (RDA): a new nature-inspired meta-heuristic. Soft Computing, 2020, 24, 14637-14665.	2.1	253
4	Reliability optimization of series-parallel systems with a choice of redundancy strategies using a genetic algorithm. Reliability Engineering and System Safety, 2008, 93, 550-556.	5.1	249
5	The Social Engineering Optimizer (SEO). Engineering Applications of Artificial Intelligence, 2018, 72, 267-293.	4.3	198
6	Group decision making based on novel fuzzy modified TOPSIS method. Applied Mathematical Modelling, 2011, 35, 4257-4269.	2.2	149
7	A novel two-phase group decision making approach for construction project selection in a fuzzy environment. Applied Mathematical Modelling, 2012, 36, 4197-4217.	2.2	137
8	Solving a group layout design model of a dynamic cellular manufacturing system with alternative process routings, lot splitting and flexible reconfiguration by simulated annealing. Computers and Operations Research, 2012, 39, 2642-2658.	2.4	133
9	Reliable design of a forward/reverse logistics network under uncertainty: A robust-M/M/c queuing model. Transportation Research, Part E: Logistics and Transportation Review, 2012, 48, 1152-1168.	3.7	132
10	A hybrid multi-objective immune algorithm for a flow shop scheduling problem with bi-objectives: Weighted mean completion time and weighted mean tardiness. Information Sciences, 2007, 177, 5072-5090.	4.0	130
11	A multi-objective dynamic vehicle routing problem with fuzzy time windows: Model, solution and application. Applied Soft Computing Journal, 2014, 14, 504-527.	4.1	125
12	A bi-objective green home health care routing problem. Journal of Cleaner Production, 2018, 200, 423-443.	4.6	122
13	A new design of the elimination and choice translating reality method for multi-criteria group decision-making in an intuitionistic fuzzy environment. Applied Mathematical Modelling, 2013, 37, 1781-1799.	2.2	120
14	Sustainable hub location under mixed uncertainty. Transportation Research, Part E: Logistics and Transportation Review, 2014, 62, 89-115.	3.7	119
15	An interactive approach for designing a robust disaster relief logistics network with perishable commodities. Computers and Industrial Engineering, 2016, 94, 201-215.	3.4	115
16	Designing and optimizing a sustainable supply chain network for a blood platelet bank under uncertainty. Engineering Applications of Artificial Intelligence, 2018, 71, 236-250.	4.3	114
17	Two hybrid meta-heuristic algorithms for a dual-channel closed-loop supply chain network design problem in the tire industry under uncertainty. Advanced Engineering Informatics, 2021, 50, 101418.	4.0	113
18	A hybrid simulated annealing algorithm for location and routing scheduling problems with cross-docking in the supply chain. Journal of Manufacturing Systems, 2013, 32, 335-347.	7.6	111

#	Article	IF	Citations
19	Design of a facility layout problem in cellular manufacturing systems with stochastic demands. Applied Mathematics and Computation, 2007, 184, 721-728.	1.4	109
20	Integrated multi-period cell formation and subcontracting production planning in dynamic cellular manufacturing systems. International Journal of Production Economics, 2009, 120, 301-314.	5.1	108
21	Solving a dynamic cell formation problem using metaheuristics. Applied Mathematics and Computation, 2005, 170, 761-780.	1.4	103
22	A hybrid simulated annealing for capacitated vehicle routing problems with the independent route length. Applied Mathematics and Computation, 2006, 176, 445-454.	1.4	102
23	Selection of wastewater treatment process based on the analytical hierarchy process and fuzzy analytical hierarchy process methods. International Journal of Environmental Science and Technology, 2011, 8, 267-280.	1.8	101
24	A new hybrid multi-objective Pareto archive PSO algorithm for a bi-objective job shop scheduling problem. Expert Systems With Applications, 2011, 38, 10812-10821.	4.4	100
25	An efficient algorithm for solving a new mathematical model for a quay crane scheduling problem in container ports. Computers and Industrial Engineering, 2009, 56, 241-248.	3.4	98
26	Electromagnetism-like mechanism and simulated annealing algorithms for flowshop scheduling problems minimizing the total weighted tardiness and makespan. Knowledge-Based Systems, 2010, 23, 77-85.	4.0	98
27	Solving a new bi-objective location-routing-inventory problem in a distribution network by meta-heuristics. Computers and Industrial Engineering, 2014, 76, 204-221.	3.4	97
28	Design of a pharmaceutical supply chain network under uncertainty considering perishability and substitutability of products. Information Sciences, 2018, 423, 257-283.	4.0	94
29	A dynamic pricing approach for returned products in integrated forward/reverse logistics network design. Applied Mathematical Modelling, 2013, 37, 10182-10202.	2.2	90
30	A robust optimization approach for pollution routing problem with pickup and delivery under uncertainty. Journal of Manufacturing Systems, 2014, 33, 277-286.	7.6	90
31	Pricing and ordering decisions in a supply chain with imperfect quality items and inspection under buyback of defective items. International Journal of Production Research, 2015, 53, 4553-4582.	4.9	87
32	A multi-objective electromagnetism algorithm for a bi-objective flowshop scheduling problem. Journal of Manufacturing Systems, 2012, 31, 232-239.	7.6	86
33	Soft computing based on new interval-valued fuzzy modified multi-criteria decision-making method. Applied Soft Computing Journal, 2013, 13, 165-172.	4.1	86
34	Solving a new stochastic multi-mode p -hub covering location problem considering risk by a novel multi-objective algorithm. Applied Mathematical Modelling, 2013, 37, 10053-10073.	2.2	84
35	A fuzzy pricing model for a green competitive closed-loop supply chain network design in the presence of disruptions. Journal of Cleaner Production, 2018, 188, 425-442.	4.6	84
36	A robust design for a closed-loop supply chain network under an uncertain environment. International Journal of Advanced Manufacturing Technology, 2013, 66, 825-843.	1.5	83

#	Article	IF	Citations
37	A robust possibilistic programming approach to multi-period locationâ€“allocation of organ transplant centers under uncertainty. Computers and Industrial Engineering, 2014, 74, 139-148.	3.4	83
38	Hybrid artificial intelligence and robust optimization for a multi-objective product portfolio problem Case study: The dairy products industry. Computers and Industrial Engineering, 2019, 137, 106090.	3.4	83
39	Solving a multi-floor layout design model of a dynamic cellular manufacturing system by an efficient genetic algorithm. Journal of Manufacturing Systems, 2014, 33, 218-232.	7.6	82
40	Multi-objective design of an organ transplant network under uncertainty. Transportation Research, Part E: Logistics and Transportation Review, 2014, 72, 101-124.	3.7	81
41	Modified variable neighborhood search and genetic algorithm for profitable heterogeneous vehicle routing problem with cross-docking. Applied Soft Computing Journal, 2019, 75, 441-460.	4.1	80
42	A new compromise solution method for fuzzy group decision-making problems with an application to the contractor selection. Engineering Applications of Artificial Intelligence, 2013, 26, 779-788.	4.3	79
43	A multi-objective scatter search for a mixed-model assembly line sequencing problem. Advanced Engineering Informatics, 2007, 21, 85-99.	4.0	77
44	A robust optimization approach for an integrated dynamic cellular manufacturing system and production planning with unreliable machines. Applied Mathematical Modelling, 2016, 40, 169-191.	2.2	76
45	Design of a genetic algorithm for bi-objective unrelated parallel machines scheduling with sequence-dependent setup times and precedence constraints. Computers and Operations Research, 2009, 36, 3224-3230.	2.4	75
46	A genetic algorithm using priority-based encoding with new operators for fixed charge transportation problems. Applied Soft Computing Journal, 2013, 13, 2711-2726.	4.1	74
47	Location of cross-docking centers and vehicle routing scheduling under uncertainty: A fuzzy possibilisticâ€“stochastic programming model. Applied Mathematical Modelling, 2014, 38, 2249-2264.	2.2	74
48	Investigation of the optimal location design of a hybrid wind-solar plant: A case study. International Journal of Hydrogen Energy, 2018, 43, 100-114.	3.8	74
49	A hybrid method for solving stochastic job shop scheduling problems. Applied Mathematics and Computation, 2005, 170, 185-206.	1.4	73
50	Multi-Criteria Decision Making for Plant Location Selection: An Integrated Delphiâ€“AHPâ€“PROMETHEE Methodology. Arabian Journal for Science and Engineering, 2013, 38, 1255-1268.	1.1	73
51	A Fuzzy Stochastic Multi-Attribute Group Decision-Making Approach for Selection Problems. Group Decision and Negotiation, 2013, 22, 207-233.	2.0	73
52	Application of genetic algorithm to computer-aided process planning in preliminary and detailed planning. Engineering Applications of Artificial Intelligence, 2009, 22, 1179-1187.	4.3	71
53	Reliable design of a closed loop supply chain network under uncertainty: An interval fuzzy possibilistic chance-constrained model. Engineering Optimization, 2013, 45, 745-765.	1.5	70
54	Design of a scatter search method for a novel multi-criteria group scheduling problem in a cellular manufacturing system. Expert Systems With Applications, 2010, 37, 2661-2669.	4.4	69

#	Article	IF	Citations
55	Solving a capacitated fixed-charge transportation problem by artificial immune and genetic algorithms with a PrÃ¼fer number representation. Expert Systems With Applications, 2011, 38, 10462-10474.	4.4	69
56	Design of a reliable multi-modal multi-commodity model for hazardous materials transportation under uncertainty. European Journal of Operational Research, 2017, 257, 792-809.	3.5	69
57	Designing a sustainable closed-loop pharmaceutical supply chain in a competitive market considering demand uncertainty, manufacturerâ€™s brand and waste management. Annals of Operations Research, 2022, 315, 2057-2088.	2.6	69
58	A New Capacitated Vehicle Routing Problem with Split Service for Minimizing Fleet Cost by Simulated Annealing. Journal of the Franklin Institute, 2007, 344, 406-425.	1.9	68
59	A branch and bound algorithm for hybrid flow shop scheduling problem with setup time and assembly operations. Applied Mathematical Modelling, 2014, 38, 119-134.	2.2	68
60	An approximation approach to a trade-off among efficiency, efficacy, and balance for relief pre-positioning in disaster management. Transportation Research, Part E: Logistics and Transportation Review, 2016, 93, 485-509.	3.7	68
61	An integrated approach based on artificial intelligence and novel meta-heuristic algorithms to predict demand for dairy products: a case study. Network: Computation in Neural Systems, 2021, 32, 1-35.	2.2	68
62	Reliable blood supply chain network design with facility disruption: A real-world application. Engineering Applications of Artificial Intelligence, 2020, 90, 103493.	4.3	68
63	A self-adaptive evolutionary algorithm for a fuzzy multi-objective hub location problem: An integration of responsiveness and social responsibility. Engineering Applications of Artificial Intelligence, 2017, 62, 1-16.	4.3	66
64	Reliable single-allocation hub location problem with disruptions. Transportation Research, Part E: Logistics and Transportation Review, 2019, 123, 90-120.	3.7	65
65	An integrated Data Envelopment Analysisâ€“Artificial Neural Networkâ€“Rough Set Algorithm for assessment of personnel efficiency. Expert Systems With Applications, 2011, 38, 1364-1373.	4.4	64
66	Two novel FMCDM methods for alternative-fuel buses selection. Applied Mathematical Modelling, 2011, 35, 1396-1412.	2.2	64
67	A multi-objective optimization framework for a sustainable closed-loop supply chain network in the olive industry: Hybrid meta-heuristic algorithms. Expert Systems With Applications, 2022, 203, 117566.	4.4	64
68	A memetic algorithm for the flexible flow line scheduling problem with processor blocking. Computers and Operations Research, 2009, 36, 402-414.	2.4	63
69	Addressing a nonlinear fixed-charge transportation problem using a spanning tree-based genetic algorithm. Computers and Industrial Engineering, 2010, 59, 259-271.	3.4	62
70	Multiobjective fuzzy mathematical model for a financially constrained closedâ€loop supply chain with labor employment. Computational Intelligence, 2020, 36, 4-34.	2.1	62
71	Robust humanitarian relief logistics network planning. Uncertain Supply Chain Management, 2014, 2, 73-96.	2.3	60
72	Sustainable vehicle routing problem for coordinated solid waste management. Journal of Industrial Information Integration, 2021, 23, 100220.	4.3	59

#	Article	IF	Citations
73	A memetic algorithm for a vehicle routing problem with backhauls. Applied Mathematics and Computation, 2006, 181, 1049-1060.	1.4	58
74	A fuzzy programming approach for a cell formation problem with dynamic and uncertain conditions. Fuzzy Sets and Systems, 2008, 159, 215-236.	1.6	58
75	A multi-objective particle swarm optimisation algorithm for unequal sized dynamic facility layout problem with pickup/drop-off locations. International Journal of Production Research, 2012, 50, 4279-4293.	4.9	58
76	Multi-criteria sequencing problem for a mixed-model assembly line in a JIT production system. Applied Mathematics and Computation, 2006, 181, 1471-1481.	1.4	56
77	Comprehensive fuzzy multi-objective multi-product multi-site aggregate production planning decisions in a supply chain under uncertainty. Applied Soft Computing Journal, 2015, 37, 585-607.	4.1	56
78	An interactive possibilistic programming approach for a multi-objective hub location problem: Economic and environmental design. Applied Soft Computing Journal, 2017, 52, 699-713.	4.1	56
79	A New Multi-objective Competitive Open Vehicle Routing Problem Solved by Particle Swarm Optimization. Networks and Spatial Economics, 2012, 12, 609-633.	0.7	55
80	Robot selection by a multiple criteria complex proportional assessment method under an interval-valued fuzzy environment. International Journal of Advanced Manufacturing Technology, 2014, 73, 687-697.	1.5	55
81	Multi-objective hub network design under uncertainty considering congestion: An M/M/c/K queue system. Applied Mathematical Modelling, 2016, 40, 4179-4198.	2.2	55
82	Modified particle swarm optimization in a time-dependent vehicle routing problem: minimizing fuel consumption. Optimization Letters, 2017, 11, 121-134.	0.9	55
83	Reliable design of a logistics network under uncertainty: A fuzzy possibilistic-queuing model. Applied Mathematical Modelling, 2013, 37, 3254-3268.	2.2	54
84	Designing a bi-objective and multi-product supply chain network for the supply of blood. Uncertain Supply Chain Management, 2015, 3, 57-68.	2.3	54
85	Multi-objective mathematical modeling for sustainable supply chain management in the paper industry. Computers and Industrial Engineering, 2019, 135, 1092-1102.	3.4	53
86	A fuzzy-mixed-integer goal programming model for a parallel-machine scheduling problem with sequence-dependent setup times and release dates. Robotics and Computer-Integrated Manufacturing, 2009, 25, 853-859.	6.1	51
87	A game-based meta-heuristic for a fuzzy bi-objective reliable hub location problem. Engineering Applications of Artificial Intelligence, 2016, 50, 1-19.	4.3	51
88	A computer simulation model for job shop scheduling problems minimizing makespan. Computers and Industrial Engineering, 2005, 48, 811-823.	3.4	50
89	Two meta-heuristics for three-stage assembly flowshop scheduling with sequence-dependent setup times. International Journal of Advanced Manufacturing Technology, 2010, 50, 1153-1164.	1.5	50
90	Vehicle routing scheduling using an enhanced hybrid optimization approach. Journal of Intelligent Manufacturing, 2012, 23, 759-774.	4.4	50

#	Article	IF	Citations
91	A new support vector model-based imperialist competitive algorithm for time estimation in new product development projects. Robotics and Computer-Integrated Manufacturing, 2013, 29, 157-168.	6.1	50
92	Solving a fuzzy fixed charge solid transportation problem using batch transferring by new approaches in meta-heuristic. Electronic Notes in Discrete Mathematics, 2017, 58, 143-150.	0.4	50
93	Sustainable-supplier selection for manufacturing services: a failure mode and effects analysis model based on interval-valued fuzzy group decision-making. International Journal of Advanced Manufacturing Technology, 2018, 95, 3609-3629.	1.5	50
94	Pharmacological therapy selection of type 2 diabetes based on the SWARA and modified MULTIMOORA methods under a fuzzy environment. Artificial Intelligence in Medicine, 2018, 87, 20-33.	3.8	49
95	A bi-level and robust optimization-based framework for a hazardous waste management problem: A real-world application. Journal of Cleaner Production, 2020, 252, 119830.	4.6	49
96	Flexible job shop scheduling problem with reconfigurable machine tools: An improved differential evolution algorithm. Applied Soft Computing Journal, 2020, 94, 106416.	4.1	49
97	An economic production lot size model with deteriorating items, stock-dependent demand, inflation, and partial backlogging. Applied Mathematics and Computation, 2006, 181, 380-389.	1.4	48
98	A new mathematical model for a competitive vehicle routing problem with time windows solved by simulated annealing. Journal of Manufacturing Systems, 2011, 30, 83-92.	7.6	47
99	An Electromagnetism-like algorithm for cell formation and layout problem. Expert Systems With Applications, 2012, 39, 2172-2182.	4.4	47
100	Robust and fuzzy goal programming optimization approaches for a novel multi-objective hub location-allocation problem: A supply chain overview. Applied Soft Computing Journal, 2015, 37, 255-276.	4.1	47
101	A hybridization of simulated annealing and electromagnetic-like mechanism for job shop problems with machine availability and sequence-dependent setup times to minimize total weighted tardiness. Soft Computing, 2009, 13, 995-1006.	2.1	46
102	A hybrid artificial immune algorithm for a realistic variant of job shops to minimize the total completion time. Computers and Industrial Engineering, 2009, 56, 1494-1501.	3.4	46
103	A replenishment policy based on joint optimization in a downstream pharmaceutical supply chain: centralized vs. decentralized replenishment. International Journal of Advanced Manufacturing Technology, 2011, 57, 367-378.	1.5	46
104	A possibilistic programming approach for the location problem of multiple cross-docks and vehicle routing scheduling under uncertainty. Engineering Optimization, 2013, 45, 1223-1249.	1.5	46
105	Design of a reliable logistics network with hub disruption under uncertainty. Applied Mathematical Modelling, 2016, 40, 5621-5642.	2.2	46
106	Bi-level programming for home health care supply chain considering outsourcing. Journal of Industrial Information Integration, 2022, 25, 100246.	4.3	46
107	Solving a multi periodic stochastic model of the railâ€“car fleet sizing by two-stage optimization formulation. Applied Mathematical Modelling, 2010, 34, 1164-1174.	2.2	45
108	A hybrid algorithm based on particle swarm optimization and simulated annealing for a periodic job shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2011, 54, 309-322.	1.5	45

#	Article	IF	Citations
109	Solving a fuzzy fixed charge solid transportation problem by metaheuristics. Mathematical and Computer Modelling, 2013, 57, 1543-1558.	2.0	45
110	Solving a new bi-objective hierarchical hub location problem with an <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e4743" altimg="si5.gif"><mml:mi>M</mml:mi><mml:mo>â^•</mml:mo><mml:mi>M</mml:mi><mml:mo>â^•</mml:mo><mml:mi>c</mml:mi></ queuing framework. Engineering Applications of Artificial Intelligence, 2019, 78, 53-70.	4.3	45
111	Solving a single-machine scheduling problem with maintenance, job deterioration and learning effect by simulated annealing. Journal of Manufacturing Systems, 2010, 29, 1-9.	7.6	44
112	Application of robust optimization for a product portfolio problem using an invasive weed optimization algorithm. Numerical Algebra, Control and Optimization, 2019, 9, 187-209.	1.0	44
113	Solving a multi-objective no-wait flow shop scheduling problem with an immune algorithm. International Journal of Advanced Manufacturing Technology, 2008, 36, 969-981.	1.5	43
114	A novel two-stage genetic algorithm for a mixed-model U-line balancing problem with duplicated tasks. International Journal of Advanced Manufacturing Technology, 2011, 55, 1111-1122.	1.5	43
115	A cell formation problem considering machine utilization and alternative process routes by scatter search. Journal of Intelligent Manufacturing, 2012, 23, 1127-1139.	4.4	43
116	A credibility-constrained programming for reliable forwardâ€“reverse logistics network design under uncertainty and facility disruptions. International Journal of Computer Integrated Manufacturing, 2015, 28, 664-678.	2.9	43
117	Make-to-order or make-to-stock decision by a novel hybrid approach. Advanced Engineering Informatics, 2008, 22, 186-201.	4.0	42
118	A new decision-making structure for the order entry stage in make-to-order environments. International Journal of Production Economics, 2008, 111, 351-367.	5.1	42
119	A multi-objective scatter search for a bi-criteria no-wait flow shop scheduling problem. Engineering Optimization, 2008, 40, 331-346.	1.5	42
120	A Bendersâ€™ decomposition algorithm for optimizing distribution of perishable products considering postharvest biological behavior in agri-food supply chain: a case study of tomato. Central European Journal of Operations Research, 2017, 25, 29-54.	1.1	42
121	An Improved Hybrid Grey Relational Analysis Approach for Green Resilient Supply Chain Network Assessment. Sustainability, 2017, 9, 1433.	1.6	42
122	Fuzzy Possibilistic Modeling for Closed Loop Recycling Collection Networks. Environmental Modeling and Assessment, 2012, 17, 623-637.	1.2	41
123	Multiple cross-docks scheduling using two meta-heuristic algorithms. Computers and Industrial Engineering, 2014, 74, 129-138.	3.4	41
124	A new integrated mathematical model for a bi-objective multi-depot location-routing problem solved by a multi-objective scatter search algorithm. Journal of Manufacturing Systems, 2010, 29, 111-119.	7.6	40
125	Soft computing based on a fuzzy grey group compromise solution approach with an application to the selection problem of material handling equipment. International Journal of Computer Integrated Manufacturing, 2014, 27, 547-569.	2.9	40
126	Supply chain network design considering sustainable development paradigm: A case study in cable industry. Journal of Cleaner Production, 2019, 234, 366-380.	4.6	40

#	Article	IF	Citations
127	Facilities layout design by genetic algorithms. Computers and Industrial Engineering, 1998, 35, 527-530.	3.4	39
128	Risk assessment for highway projects using jackknife technique. Expert Systems With Applications, 2011, 38, 5514-5524.	4.4	39
129	An intuitionistic fuzzy grey model for selection problems with an application to the inspection planning in manufacturing firms. Engineering Applications of Artificial Intelligence, 2015, 39, 157-167.	4.3	39
130	A bi-objective truck scheduling problem in a cross-docking center with probability of breakdown for trucks. Computers and Industrial Engineering, 2016, 96, 180-191.	3.4	39
131	Solving a bi-objective unrelated parallel batch processing machines scheduling problem: A comparison study. Computers and Operations Research, 2017, 88, 71-90.	2.4	39
132	A two-stage approach to agile pharmaceutical supply chain management with product substitutability in crises. Computers and Chemical Engineering, 2019, 127, 200-217.	2.0	39
133	Find-Fix-Finish-Exploit-Analyze (F3EA) meta-heuristic algorithm: An effective algorithm with new evolutionary operators for global optimization. Computers and Industrial Engineering, 2019, 128, 192-218.	3.4	39
134	New integration of preventive maintenance and production planning with cell formation and group scheduling for dynamic cellular manufacturing systems. Journal of Manufacturing Systems, 2020, 56, 341-358.	7.6	39
135	Multi-objective timeâ€“cost trade-off in dynamic PERT networks using an interactive approach. European Journal of Operational Research, 2007, 180, 1186-1200.	3.5	38
136	Solving a periodic single-track train timetabling problem by an efficient hybrid algorithm. Engineering Applications of Artificial Intelligence, 2012, 25, 793-800.	4.3	38
137	A differential evolution algorithm to solve multi-skilled project portfolio scheduling problems. International Journal of Advanced Manufacturing Technology, 2013, 64, 1099-1111.	1.5	38
138	An evolutionary algorithm for a new multi-objective location-inventory model in a distribution network with transportation modes and third-party logistics providers. International Journal of Production Research, 2015, 53, 1038-1050.	4.9	38
139	Solving a multi-objective job shop scheduling problem with sequence-dependent setup times by a Pareto archive PSO combined with genetic operators and VNS. International Journal of Advanced Manufacturing Technology, 2011, 53, 733-750.	1.5	37
140	A Hierarchical Group Decision-Making Approach for New Product Selection in a Fuzzy Environment. Arabian Journal for Science and Engineering, 2013, 38, 3233-3248.	1.1	37
141	Solving a multi-objective open shop scheduling problem by a novel hybrid ant colony optimization. Expert Systems With Applications, 2011, 38, 2817-2822.	4.4	36
142	The use of multi-criteria data envelopment analysis (MCDEA) for locationâ€“allocation problems in a fuzzy environment. Expert Systems With Applications, 2011, 38, 5687-5695.	4.4	36
143	Mathematical modeling for a p-mobile hub location problem in a dynamic environment by a genetic algorithm. Applied Mathematical Modelling, 2018, 54, 151-169.	2.2	36
144	A hybrid approach based on the genetic algorithm and neural network to design an incremental cellular manufacturing system. Applied Soft Computing Journal, 2011, 11, 4195-4202.	4.1	35

#	Article	IF	Citations
145	Multiobjective Dynamic Vehicle Routing Problem With Fuzzy Travel Times and Customersâ€™ Satisfaction in Supply Chain Management. IEEE Transactions on Engineering Management, 2013, 60, 777-790.	2.4	35
146	Mathematical modelling of a robust inspection process plan: Taguchi and Monte Carlo methods. International Journal of Production Research, 2015, 53, 2202-2224.	4.9	35
147	The use of a fuzzy multi-objective linear programming for solving a multi-objective single-machine scheduling problem. Applied Soft Computing Journal, 2010, 10, 919-925.	4.1	34
148	Pricing and location decisions in multi-objective facility location problem with M/M/m/k queuing systems. Engineering Optimization, 2017, 49, 136-160.	1.5	34
149	A Self-Learning Particle Swarm Optimization for Robust Multi-Echelon Capacitated Locationâ€“Allocationâ€“Inventory Problem. Journal of Advanced Manufacturing Systems, 2019, 18, 677-694.	0.4	34
150	A review on optimisation of part quality inspection planning in a multi-stage manufacturing system. International Journal of Production Research, 2019, 57, 4880-4897.	4.9	34
151	A multi-objective model for a nurse scheduling problem by emphasizing human factors. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 179-199.	1.0	34
152	Solving a multi-objective multi-skilled manpower scheduling model by a fuzzy goal programming approach. Applied Mathematical Modelling, 2013, 37, 5424-5443.	2.2	33
153	A vibration damping optimization algorithm for a parallel machines scheduling problem with sequence-independent family setup times. Applied Mathematical Modelling, 2015, 39, 6845-6859.	2.2	33
154	Designing a fuzzy Q-learning multi-agent quality control system for a continuous chemical production line â€“ A case study. Computers and Industrial Engineering, 2016, 93, 215-226.	3.4	33
155	Achieving sustainable development of supply chain by incorporating various carbon regulatory mechanisms. Transportation Research, Part D: Transport and Environment, 2020, 81, 102253.	3.2	33
156	Optimal scheduling for a single machine to minimize the sum of maximum earliness and tardiness considering idle insert. Applied Mathematics and Computation, 2005, 167, 1430-1450.	1.4	32
157	The periodicity and robustness in a single-track train scheduling problem. Applied Soft Computing Journal, 2012, 12, 440-452.	4.1	32
158	An imperialist competitive algorithm for multi-objective U-type assembly line design. Journal of Computational Science, 2013, 4, 393-400.	1.5	32
159	Blood inventory-routing problem under uncertainty. Journal of Intelligent and Fuzzy Systems, 2017, 32, 467-481.	0.8	32
160	A tri-level r -interdiction median model for a facility location problem under imminent attack. Computers and Industrial Engineering, 2017, 114, 151-165.	3.4	32
161	Metaheuristics for a bi-objective location-routing-problem in waste collection management. Journal of Industrial and Production Engineering, 2017, 34, 239-252.	2.1	32
162	A robust home health care routing-scheduling problem with temporal dependencies under uncertainty. Expert Systems With Applications, 2021, 182, 115209.	4.4	32

#	Article	IF	Citations
163	A new solution for a dynamic cell formation problem with alternative routing and machine costs using simulated annealing. Journal of the Operational Research Society, 2008, 59, 443-454.	2.1	31
164	A hybridization of simulated annealing and electromagnetism-like mechanism for a periodic job shop scheduling problem. Expert Systems With Applications, 2011, 38, 5895-5901.	4.4	31
165	Capacitated Vehicle Routing Problem for Multi-Product Cross- Docking with Split Deliveries and Pickups. Procedia, Social and Behavioral Sciences, 2012, 62, 1360-1365.	0.5	31
166	A hybrid particle swarm optimization algorithm for a no-wait flow shop scheduling problem with the total flow time. International Journal of Advanced Manufacturing Technology, 2014, 70, 1181-1188.	1.5	31
167	An EOQ model with random disruption and partial backordering. International Journal of Production Research, 2016, 54, 2600-2609.	4.9	31
168	A bi-objective location-inventory model with capacitated transportation and lateral transshipments. International Journal of Production Research, 2016, 54, 2035-2056.	4.9	31
169	Designing a Reliable Multi-Objective Queuing Model of a Petrochemical Supply Chain Network under Uncertainty: A Case Study. Computers and Chemical Engineering, 2017, 100, 177-197.	2.0	31
170	A hybrid of clustering and meta-heuristic algorithms to solve a p-mobile hub locationâ€“allocation problem with the depreciation cost of hub facilities. Engineering Applications of Artificial Intelligence, 2021, 98, 104121.	4.3	31
171	A novel 0-1 linear integer programming model for dynamic machine-tool selection and operation allocation in a flexible manufacturing system. Journal of Manufacturing Systems, 2012, 31, 224-231.	7.6	30
172	A multi-objective vehicle routing and scheduling problem with uncertainty in customersâ€™ request and priority. Journal of Combinatorial Optimization, 2014, 28, 414-446.	0.8	30
173	An interactive possibilistic programming approach for a multi-objective closed-loop supply chain network under uncertainty. International Journal of Systems Science, 2014, 45, 283-299.	3.7	30
174	Evolutionary algorithms for multi-objective dual-resource constrained flexible job-shop scheduling problem. Opsearch, 2019, 56, 983-1006.	1.1	30
175	Competitive green supply chain network design model considering inventory decisions under uncertainty: a real case of a filter company. International Journal of Production Research, 2021, 59, 4248-4267.	4.9	30
176	Meta-heuristics for sustainable supply chain management: a review. International Journal of Production Research, 2023, 61, 1979-2009.	4.9	30
177	A genetic algorithm and memetic algorithm to sequencing and scheduling of cellular manufacturing systems. International Journal of Management Science and Engineering Management, 2008, 3, 119-130.	2.6	29
178	A new stochastic approach for a reliable p -hub covering location problem. Computers and Industrial Engineering, 2015, 90, 371-380.	3.4	29
179	A novel multi-stage possibilistic stochastic programming approach (with an application in relief) Tj ETQq1 1 0.784314 rgBT /Overlock	4.0	29
180	Modeling truck scheduling problem at a cross-dock facility through a bi-objective bi-level optimization approach. Journal of Intelligent Manufacturing, 2018, 29, 1155-1170.	4.4	29

#	Article	IF	Citations
181	Hybrid Approach to Construction Project Risk Management with Simultaneous FMEA/ISO 31000/Evolutionary Algorithms: Empirical Optimization Study. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	29
182	A hybrid Z-number data envelopment analysis and neural network for assessment of supply chain resilience: a case study. Central European Journal of Operations Research, 2021, 29, 611-631.	1.1	29
183	A general flow shop scheduling problem with consideration of position-based learning effect and multiple availability constraints. International Journal of Advanced Manufacturing Technology, 2014, 73, 601-611.	1.5	28
184	Solving a new multi-objective multi-route flexible flow line problem by multi-objective particle swarm optimization and NSGA-II. Journal of Manufacturing Systems, 2015, 36, 189-202.	7.6	28
185	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach. International Journal of Computer Integrated Manufacturing, 2020, 33, 460-473.	2.9	28
186	Designing a sustainableâ€“resilient disaster waste management system under hybrid uncertainty: A case study. Engineering Applications of Artificial Intelligence, 2021, 106, 104459.	4.3	28
187	A novel hybrid approach combining electromagnetism-like method with Solis and Wets local search for continuous optimization problems. Journal of Global Optimization, 2009, 44, 227-234.	1.1	27
188	A novel approach based on non-parametric resampling with interval analysis for large engineering project risks. Safety Science, 2011, 49, 1340-1348.	2.6	27
189	Solving an one-dimensional cutting stock problem by simulated annealing and tabu search. Journal of Industrial Engineering International, 2012, 8, 1.	1.8	27
190	Risk ranking in mega projects by fuzzy compromise approach: A comparative analysis. Journal of Intelligent and Fuzzy Systems, 2014, 26, 949-959.	0.8	27
191	A Lagrangean decomposition approach for a novel two-echelon node-based location-routing problem in an offshore oil and gas supply chain. Transportation Research, Part E: Logistics and Transportation Review, 2019, 128, 96-114.	3.7	27
192	A multi-modal competitive hub location pricing problem with customer loyalty and elastic demand. Computers and Operations Research, 2020, 123, 105048.	2.4	27
193	A multi-objective resource allocation problem in dynamic PERT networks. Applied Mathematics and Computation, 2006, 181, 163-174.	1.4	26
194	A comprehensive decision making structure for partitioning of make-to-order, make-to-stock and hybrid products. Soft Computing, 2009, 13, 1035-1054.	2.1	26
195	Annealing-based particle swarm optimization to solve the redundant reliability problem with multiple component choices. Applied Soft Computing Journal, 2012, 12, 3462-3471.	4.1	26
196	A multi-stage decision-making process for multiple attributes analysis under an interval-valued fuzzy environment. International Journal of Advanced Manufacturing Technology, 2013, 64, 1263-1273.	1.5	26
197	A new bi-objective vehicle routing-scheduling problem with cross-docking: Mathematical model and algorithms. Computers and Industrial Engineering, 2020, 149, 106832.	3.4	26
198	A new weighted distance-based approximation methodology for flow shop scheduling group decisions under the interval-valued fuzzy processing time. Applied Soft Computing Journal, 2020, 91, 106248.	4.1	26

#	Article	IF	Citations
199	Reliable design of an integrated forward-revere logistics network under uncertainty and facility disruptions: A fuzzy possibilistic programing model. KSCE Journal of Civil Engineering, 2015, 19, 1117-1128.	0.9	25
200	Extending the solid step fixed-charge transportation problem to consider two-stage networks and multi-item shipments. Computers and Industrial Engineering, 2019, 137, 106008.	3.4	25
201	A novel FMEA model based on fuzzy multiple-criteria decision-making methods for risk assessment. Journal of Enterprise Information Management, 2020, 33, 881-904.	4.4	25
202	An accelerated Benders decomposition algorithm for reliable facility location problems in multi-echelon networks. Computers and Industrial Engineering, 2018, 124, 523-534.	3.4	24
203	Integrated production-inventory-routing problem for multi-perishable products under uncertainty by meta-heuristic algorithms. International Journal of Production Research, 2022, 60, 2766-2786.	4.9	24
204	Soft computing based on interval valued fuzzy ANP-A novel methodology. Journal of Intelligent Manufacturing, 2012, 23, 1529-1544.	4.4	23
205	A three-stage assembly flow shop scheduling problem with blocking and sequence-dependent set up times. Journal of Industrial Engineering International, 2012, 8, 1.	1.8	23
206	An integrated approach for the cell formation and layout design in cellular manufacturing systems. International Journal of Production Research, 2013, 51, 6017-6044.	4.9	23
207	An artificial bee colony algorithm for a two-stage hybrid flowshop scheduling problem with multilevel product structures and requirement operations. International Journal of Computer Integrated Manufacturing, 2015, 28, 437-450.	2.9	23
208	A routing and scheduling problem for cross-docking networks with perishable products, heterogeneous vehicles and split delivery. Computers and Industrial Engineering, 2021, 157, 107299.	3.4	23
209	Accessing feasible space in a generalized job shop scheduling problem with the fuzzy processing times: a fuzzy-neural approach. Journal of the Operational Research Society, 2008, 59, 431-442.	2.1	22
210	Scheduling the sequence of aircraft landings for a single runway using a fuzzy programming approach. Journal of Air Transport Management, 2012, 25, 15-18.	2.4	22
211	Sustainable vehicle routing: Strategies for congestion management and refueling scheduling. , 2012, , .		22
212	Hybrid flexible flowshop scheduling problem with unrelated parallel machines and limited waiting times. International Journal of Advanced Manufacturing Technology, 2013, 68, 1583-1599.	1.5	22
213	Solving a new fuzzy multi-objective model for a multi-skilled manpower scheduling problem by particle swarm optimization and elite tabu search. International Journal of Advanced Manufacturing Technology, 2013, 64, 1517-1540.	1.5	22
214	A hybrid multi-objective approach based on the genetic algorithm and neural network to design an incremental cellular manufacturing system. Computers and Industrial Engineering, 2013, 66, 1004-1014.	3.4	22
215	Design of a fuzzy bi-objective reliable p-hub center problem. Journal of Intelligent and Fuzzy Systems, 2016, 30, 2563-2580.	0.8	22
216	A new robust-possibilistic reliable hub protection model with elastic demands and backup hubs under risk. Engineering Applications of Artificial Intelligence, 2019, 86, 68-82.	4.3	22

#	Article	IF	Citations
217	A decision support model for robust allocation and routing of search and rescue resources after earthquake: a case study. Operational Research, 2022, 22, 1039-1081.	1.3	22
218	Design of an integrated model for diagnosis and classification of pediatric acute leukemia using machine learning. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 1051-1069.	1.0	22
219	Solving a multi-objective multi-depot stochastic location-routing problem by a hybrid simulated annealing algorithm. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2009, 223, 1045-1054.	1.5	21
220	An extended fuzzy parametric programming-based approach for designing cellular manufacturing systems under uncertainty and dynamic conditions. International Journal of Computer Integrated Manufacturing, 2009, 22, 538-548.	2.9	21
221	Integration of the fish bone diagram, brainstorming, and AHP method for problem solving and decision makingâ€"a case study. International Journal of Advanced Manufacturing Technology, 2012, 63, 651-657.	1.5	21
222	A multi-objective fuzzy goal programming model for reverse supply chain design. International Journal of Operational Research, 2014, 19, 141.	0.1	21
223	A New Bi-Objective Location-Routing-Inventory Problem with Fuzzy Demands. IFAC-PapersOnLine, 2016, 49, 1116-1121.	0.5	21
224	A novel group decision model based on meanâ€"varianceâ€"skewness concepts and interval-valued fuzzy sets for a selection problem of the sustainable warehouse location under uncertainty. Neural Computing and Applications, 2018, 30, 3277-3293.	3.2	21
225	New definition of the cross entropy based on the Dempster-Shafer theory and its application in a decision-making process. Communications in Statistics - Theory and Methods, 2020, 49, 909-923.	0.6	21
226	An integrative location-allocation model for humanitarian logistics with distributive injustice and dissatisfaction under uncertainty. Annals of Operations Research, 2022, 319, 211-257.	2.6	21
227	Solving a Dynamic Cell Formation Problem with Machine Cost and Alternative Process Plan by Memetic Algorithms. Lecture Notes in Computer Science, 2005, , 213-227.	1.0	20
228	A fuzzy possibilistic bi-objective hub covering problem considering production facilities, time horizons and transporter vehicles. International Journal of Advanced Manufacturing Technology, 2013, 66, 187-206.	1.5	20
229	Designing group layout of unequal-area facilities in a dynamic cellular manufacturing system with variability in number and shape of cells. International Journal of Production Research, 2015, 53, 3390-3418.	4.9	20
230	Simulation-based optimization approach with scenario-based product sequence in a reconfigurable manufacturing system (RMS): A case study. IFAC-PapersOnLine, 2019, 52, 2638-2643.	0.5	20
231	A robust bi-objective location-routing model for providing emergency medical services. Journal of Humanitarian Logistics and Supply Chain Management, 2020, 10, 285-319.	1.7	20
232	A latency-aware task scheduling algorithm for allocating virtual machines in a cost-effective and time-sensitive fog-cloud architecture. Journal of Supercomputing, 2022, 78, 93-122.	2.4	20
233	A two-stage multi-objective second generation biodiesel supply chain design considering social sustainability: A case study. Energy, 2021, 233, 121020.	4.5	20
234	A branch-and-bound algorithm for a single machine sequencing to minimize the sum of maximum earliness and tardiness with idle insert. Applied Mathematics and Computation, 2006, 174, 388-408.	1.4	19

#	Article	IF	Citations
235	Solving multi-objective optimization formulation for fleet planning in a railway industry. Annals of Operations Research, 2010, 181, 185-197.	2.6	19
236	Interval programming for the redundancy allocation with choices of redundancy strategy and component type under uncertainty: Erlang time to failure distribution. Applied Mathematics and Computation, 2014, 244, 413-421.	1.4	19
237	Prioritizing disaster-prone areas for large-scale earthquakes' preparedness: Methodology and application. Socio-Economic Planning Sciences, 2019, 67, 9-25.	2.5	19
238	A green multi-facilities open location-routing problem with planar facility locations and uncertain customer. Journal of Cleaner Production, 2021, 282, 124343.	4.6	19
239	Post-Disaster Temporary Shelters Distribution after a Large-Scale Disaster: An Integrated Model. Buildings, 2022, 12, 414.	1.4	19
240	A multi-objective imperialist competitive algorithm for a capacitated hub covering location problem. International Journal of Industrial Engineering Computations, 2011, , 671-688.	0.4	18
241	An integrated artificial neural network-computer simulation for optimization of complex tandem queue systems. Mathematics and Computers in Simulation, 2011, 82, 666-678.	2.4	18
242	Two meta-heuristics for solving a new two-machine flowshop scheduling problem with the learning effect and dynamic arrivals. International Journal of Advanced Manufacturing Technology, 2013, 65, 771-786.	1.5	18
243	Compromise Ranking Approach with Bootstrap Confidence Intervals for Risk Assessment in Port Management Projects. Journal of Management in Engineering - ASCE, 2013, 29, 334-344.	2.6	18
244	Minimization of makespan for the single batch-processing machine scheduling problem with considering aging effect and multi-maintenance activities. International Journal of Advanced Manufacturing Technology, 2015, 76, 1879-1892.	1.5	18
245	Incorporating order acceptance, pricing and equity considerations in the scheduling of cloud manufacturing systems: matheuristic methods. International Journal of Production Research, 2021, 59, 2009-2027.	4.9	18
246	A new bi-objective model of the urban public transportation hub network design under uncertainty. Annals of Operations Research, 2021, 296, 131-162.	2.6	18
247	Channel coordination and profit distribution in a three-echelon supply chain considering social responsibility and product returns. Environment, Development and Sustainability, 2022, 24, 3165-3197.	2.7	18
248	A simulated annealing method for solving a new mathematical model of a multi-criteria cell formation problem with capital constraints. Advances in Engineering Software, 2009, 40, 268-273.	1.8	17
249	Evaluating high risks in large-scale projects using an extended VIKOR method under a fuzzy environment. International Journal of Industrial Engineering Computations, 2012, 3, 463-476.	0.4	17
250	An MCDA-DEA approach for mixed-model assembly line balancing problem under uncertainty. Journal of Intelligent and Fuzzy Systems, 2016, 30, 2737-2748.	0.8	17
251	A novel model for the integrated planning of part quality inspection and preventive maintenance in a linear-deteriorating serial multi-stage manufacturing system. International Journal of Advanced Manufacturing Technology, 2018, 96, 3633-3650.	1.5	17
252	New approach based on group technology for the consolidation problem in cloud computing-mathematical model and genetic algorithm. Computational and Applied Mathematics, 2018, 37, 693-718.	1.3	17

#	Article	IF	Citations
253	A Multi-Depot Home Care Routing Problem with Time Windows and Fuzzy Demands Solving by Particle Swarm Optimization and Genetic Algorithm. IFAC-PapersOnLine, 2018, 51, 358-363.	0.5	17
254	An interval-valued fuzzy statistical group decision making approach with new evaluating indices for sustainable supplier selection problem. Journal of Intelligent and Fuzzy Systems, 2019, 36, 1855-1866.	0.8	17
255	A bi-objective transportation-location arc routing problem. Transportation Letters, 2020, 12, 623-637.	1.8	17
256	Simulation of the COVID-19 patient flow and investigation of the future patient arrival using a time-series prediction model: a real-case study. Medical and Biological Engineering and Computing, 2022, 60, 969-990.	1.6	17
257	Solving a multi-criteria group scheduling problem for a cellular manufacturing system by scatter search. Journal of the Chinese Institute of Industrial Engineers, 2011, 28, 192-205.	0.5	16
258	Minimizing the total tardiness and makespan in an open shop scheduling problem with sequence-dependent setup times. Journal of Industrial Engineering International, 2012, 8, 1.	1.8	16
259	Incorporating location, routing, and inventory decisions in a bi-objective supply chain design problem with risk-pooling. Journal of Industrial Engineering International, 2013, 9, 1.	1.8	16
260	Minimizing the total completion time on a single machine with the learning effect and multiple availability constraints. Applied Mathematical Modelling, 2013, 37, 3126-3137.	2.2	16
261	Solving a new multi-objective hybrid flexible flowshop problem with limited waiting times and machine-sequence-dependent set-up time constraints. International Journal of Computer Integrated Manufacturing, 2014, 27, 450-469.	2.9	16
262	Solving a multi-product distribution planning problem in cross docking networks: An imperialist competitive algorithm. International Journal of Advanced Manufacturing Technology, 2014, 70, 1709-1720.	1.5	16
263	A Multi-criteria Group Decision-Making Approach for Facility Location Selection Using PROMETHEE Under a Fuzzy Environment. Lecture Notes in Business Information Processing, 2015, , 145-156.	0.8	16
264	A new comprehensive possibilistic group decision approach for resilient supplier selection with meanâ€“varianceâ€“skewnessâ€“kurtosis and asymmetric information under interval-valued fuzzy uncertainty. Neural Computing and Applications, 2019, 31, 6959-6979.	3.2	16
265	A New Sustainable Location-Routing Problem with Simultaneous Pickup and Delivery by Two-Compartment Vehicles for a Perishable Product Considering Circular Economy. IFAC-PapersOnLine, 2019, 52, 790-795.	0.5	16
266	Production scheduling of open-pit mines using genetic algorithm: a case study. International Journal of Management Science and Engineering Management, 2020, 15, 176-183.	2.6	16
267	A bi-objective Optimization Model for a Dynamic Cell Formation Integrated with Machine and Cell Layouts in a Fuzzy Environment. Fuzzy Information and Engineering, 2020, 12, 204-222.	1.0	16
268	Prioritizing the effective strategies for construction and demolition waste management using fuzzy IDOCRIW and WASPAS methods. Engineering, Construction and Architectural Management, 2021, , .	1.8	16
269	Post-disaster reconstruction supply chain: Empirical optimization study. Automation in Construction, 2021, 129, 103811.	4.8	16
270	A heuristic-based simulated annealing algorithm for the scheduling of relief teams in natural disasters. Soft Computing, 2022, 26, 1825-1843.	2.1	16

#	Article	IF	Citations
271	Developing an integrated model for planning the delivery of construction materials to post-disaster reconstruction projects. Journal of Computational Design and Engineering, 2022, 9, 1135-1156.	1.5	16
272	A fuzzy grey model based on the compromise ranking for multi-criteria group decision making problems in manufacturing systems. Journal of Intelligent and Fuzzy Systems, 2013, 24, 819-827.	0.8	15
273	Green supply chain management using the queuing theory to handle congestion and reduce energy consumption and emissions from supply chain transportation fleet. Journal of Industrial Engineering and Management, 2017, 10, 213.	1.0	15
274	New mathematical modeling for a locationâ€“routingâ€“inventory problem in a multi-period closed-loop supply chain in a car industry. Journal of Industrial Engineering International, 2018, 14, 537-553.	1.8	15
275	Pricing decisions in a multiechelon supply chain under a bundling strategy. International Transactions in Operational Research, 2019, 26, 2096-2128.	1.8	15
276	Home Health Care Routing and Scheduling Problem Considering Temporal Dependencies and Perishability with Simultaneous Pickup and Delivery. IFAC-PapersOnLine, 2019, 52, 118-123.	0.5	15
277	Air and ground ambulance location-allocation-routing problem for designing a temporary emergency management system after a disaster. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 812-828.	1.0	15
278	Distributed job-shop rescheduling problem considering reconfigurability of machines: a self-adaptive hybrid equilibrium optimiser. International Journal of Production Research, 2022, 60, 4973-4994.	4.9	15
279	A new fuzzy tri-objective model for a home health care problem with green ambulance routing and congestion under uncertainty. Expert Systems With Applications, 2022, 201, 117093.	4.4	15
280	Workforce planning and production scheduling in a reconfigurable manufacturing system facing the COVID-19 pandemic. Journal of Manufacturing Systems, 2022, 63, 563-574.	7.6	15
281	A hybrid fuzzy clustering PSO algorithm for a clustering supplier problem. , 2007, , .		14
282	Partitioning machines in tandem AGV systems based on â€œbalanced flow strategyâ€•by simulated annealing. International Journal of Advanced Manufacturing Technology, 2008, 38, 355-366.	1.5	14
283	Resource allocation in dynamic PERT networks with finite capacity. European Journal of Operational Research, 2011, 215, 670-670.	3.5	14
284	Cyclic scheduling of a robotic flexible cell with load lock and swap. Journal of Intelligent Manufacturing, 2012, 23, 1885-1891.	4.4	14
285	Solving a new mathematical model for a hybrid flow shop scheduling problem with a processor assignment by a genetic algorithm. International Journal of Advanced Manufacturing Technology, 2012, 61, 339-349.	1.5	14
286	Fuzzy bi-objective formulation for a parallel machine scheduling problem with machine eligibility restrictions and sequence-dependent setup times. International Journal of Production Research, 2014, 52, 5799-5822.	4.9	14
287	Optimization of a multi-modal tree hub location network with transportation energy consumption: A fuzzy approach. Journal of Intelligent and Fuzzy Systems, 2015, 30, 43-60.	0.8	14
288	A Multi-Period Location-Allocation-Inventory Problem for Ambulance and Helicopter Ambulance Stations: Robust Possibilistic Approach. IFAC-PapersOnLine, 2018, 51, 322-327.	0.5	14

#	Article	IF	Citations
289	Multi-echelon supply chain design considering unreliable facilities with facility hardening possibility. Applied Mathematical Modelling, 2018, 62, 321-337.	2.2	14
290	A multi-objective model for the closed-loop supply chain network design with a price-dependent demand, shortage and disruption. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5261-5272.	0.8	14
291	Bi-objective build-to-order supply chain network design under uncertainty and time-dependent demand: An automobile case study. Computers and Industrial Engineering, 2021, 154, 107126.	3.4	14
292	A hybrid learning-based meta-heuristic algorithm for scheduling of an additive manufacturing system consisting of parallel SLM machines. International Journal of Production Research, 2022, 60, 6205-6225.	4.9	14
293	A new robust optimization model for relief logistics planning under uncertainty: a real-case study. Soft Computing, 2022, 26, 3883-3901.	2.1	14
294	A fuzzy aggregate production planning model for make-to-stock environments. , 2007, , .		13
295	Solving a bi-objective flowshop scheduling problem by a Multi-objective Immune System and comparing with SPEA2+ and SPGA. Advances in Engineering Software, 2011, 42, 772-779.	1.8	13
296	Two fuzzy possibilistic bi-objective zero-one programming models for outsourcing the equipment maintenance problem. Engineering Optimization, 2012, 44, 801-820.	1.5	13
297	Scheduling trucks in cross docking systems with temporary storage and dock repeat truck holding pattern using GRASP method. International Journal of Industrial Engineering Computations, 2012, 3, 777-786.	0.4	13
298	The center location-dependent relocation problem with a probabilistic line barrier. Applied Soft Computing Journal, 2013, 13, 3380-3391.	4.1	13
299	A hybrid electromagnetism-like algorithm for dynamic inter/intra-cell layout problem. International Journal of Computer Integrated Manufacturing, 2014, 27, 501-518.	2.9	13
300	An approach for modeling a new single machine scheduling problem with deteriorating and learning effects. Computers and Industrial Engineering, 2014, 78, 33-43.	3.4	13
301	A hybrid fuzzy approach for the closed-loop supply chain network design under uncertainty. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2811-2826.	0.8	13
302	Multi-objective multi-product multi-site aggregate production planning in a supply chain under uncertainty: fuzzy multi-objective optimisation. International Journal of Computer Integrated Manufacturing, 0, , 1-17.	2.9	13
303	Multi-objective integrated planning and scheduling model for operating rooms under uncertainty. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 930-948.	1.0	13
304	A Markov decision process for modeling adverse drug reactions in medication treatment of type 2 diabetes. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 793-811.	1.0	13
305	Optimization of imperfect economic manufacturing models with a power demand rate dependent production rate. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	0.8	13
306	An integrated production inventory routing problem for multi perishable products with fuzzy demands and time windows. IFAC-PapersOnLine, 2019, 52, 523-528.	0.5	13

#	Article	IF	Citations
307	A Multi-Objective Scheduling Model for a Cloud Manufacturing System with Pricing, Equity, and Order Rejection. IFAC-PapersOnLine, 2019, 52, 2177-2182.	0.5	13
308	Simultaneous waterway scheduling, berth allocation, and quay crane assignment: A novel matheuristic approach. International Journal of Production Research, 2021, 59, 7576-7593.	4.9	13
309	A mathematical model to design dynamic cellular manufacturing systems in multiple plants with production planning and locationâ€“allocation decisions. Soft Computing, 2021, 25, 3931-3954.	2.1	13
310	Developing a green and bipolar fuzzy inventory-routing model in agri-food reverse logistics with postharvest behavior. Environmental Science and Pollution Research, 2021, 28, 41071-41088.	2.7	13
311	Solving a parallel-line capacitated lot-sizing and scheduling problem with sequence-dependent setup time/cost and preventive maintenance by a rolling horizon method. Computers and Industrial Engineering, 2022, 168, 108041.	3.4	13
312	A Discrete Binary Version of the Electromagnetism-Like Heuristic for Solving Traveling Salesman Problem. Lecture Notes in Computer Science, 2008, , 123-130.	1.0	12
313	Risk-based reliability assessment under epistemic uncertainty. Journal of Loss Prevention in the Process Industries, 2012, 25, 571-581.	1.7	12
314	Robust cold standby redundancy allocation for nonrepairable seriesâ€“parallel systems through Min-Max regret formulation and Bendersâ€™ decomposition method. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2014, 228, 254-264.	0.6	12
315	A bi-objective robust inspection planning model in a multi-stage serial production system. International Journal of Production Research, 2018, 56, 1432-1457.	4.9	12
316	Forward and reverse flows pricing decisions for two competing supply chains with common collection centers in an intuitionistic fuzzy environment. Soft Computing, 2019, 23, 7865-7888.	2.1	12
317	A trade-off between productivity and cost for the integrated part quality inspection and preventive maintenance planning under uncertainty. International Journal of Production Research, 2019, 57, 5951-5973.	4.9	12
318	A new technology acceptance model: a mixed-method of grounded theory and system dynamics. Kybernetes, 2022, 51, 1-30.	1.2	12
319	An integrated quality, maintenance and production model based on the delayed monitoring under the ARMA control chart. Journal of Statistical Computation and Simulation, 2021, 91, 2645-2669.	0.7	12
320	A competitive pharmaceutical supply chain under the marketing mix strategies and product life cycle with a fuzzy stochastic demand. Annals of Operations Research, 2023, 324, 1369-1397.	2.6	12
321	Optimizing Number and Locations of Alternative-Fuel Stations Using a Multi-Criteria Approach. Engineering, Technology & Applied Science Research, 2019, 9, 3715-3720.	0.8	12
322	Sustainable negotiation-based nesting and scheduling in additive manufacturing systems: A case study and multi-objective meta-heuristic algorithms. Engineering Applications of Artificial Intelligence, 2022, 112, 104836.	4.3	12
323	A Fuzzy Comprehensive Approach for Risk Identification and Prioritization Simultaneously in EPC Projects. , 2011, , .		11
324	An integrated approach for risk-assessment analysis in a manufacturing process using FMEA and DES. , 2011, , .		11

#	Article	IF	Citations
325	A multi-objective model for designing a group layout of a dynamic cellular manufacturing system. Journal of Industrial Engineering International, 2013, 9, 1.	1.8	11
326	A Network-Based Data Envelope Analysis Model in a Dynamic Balanced Score Card. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	11
327	Towards a psychologically consistent cellular manufacturing system. International Journal of Production Research, 2017, 55, 492-518.	4.9	11
328	A multi-objective imperialist competitive algorithm for integrating intra-cell layout and processing route reliability in a cellular manufacturing system. International Journal of Computer Integrated Manufacturing, 2017, 30, 839-855.	2.9	11
329	Fuzzy decision analysis for project scope change management. Decision Science Letters, 2017, , 395-406.	0.5	11
330	Determining the price and refund of products in a supply chain with quality and advertising costs in a fuzzy environment. Soft Computing, 2021, 25, 2351-2370.	2.1	11
331	A DIFFERENTIAL EVOLUTION ALGORITHM DEVELOPED FOR A NURSE SCHEDULING PROBLEM. South African Journal of Industrial Engineering, 2012, 23, 68.	0.2	11
332	Solving a Bi-Criteria Permutation Flow Shop Problem Using Immune Algorithm. , 2007, , .		10
333	The center location problem with equal weights in the presence of a probabilistic line barrier. International Journal of Industrial Engineering Computations, 2011, 2, 793-800.	0.4	10
334	A new mathematical model for the Weber location problem with a probabilistic polyhedral barrier. International Journal of Production Research, 2013, 51, 6110-6128.	4.9	10
335	Optimizing a multi-objectives flow shop scheduling problem by a novel genetic algorithm. International Journal of Industrial Engineering Computations, 2013, 4, 345-354.	0.4	10
336	Cross-docking truck scheduling with the arrival times for inbound trucks and the learning effect for unloading/loading processes. Production and Manufacturing Research, 2014, 2, 784-804.	0.9	10
337	Two meta-heuristics for a multi-period minisum locationâ€“relocation problem with line restriction. International Journal of Advanced Manufacturing Technology, 2014, 71, 1033-1048.	1.5	10
338	Solving a novel multi-objective uncapacitated hub location problemby five meta-heuristics. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2457-2469.	0.8	10
339	A robust approach for a green periodic competitive VRP under uncertainty: DE and PSO algorithms. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5213-5225.	0.8	10
340	Solving a new robust green cellular manufacturing problem with environmental issues under uncertainty using Benders decomposition. Engineering Optimization, 2019, 51, 1229-1250.	1.5	10
341	Design of an innovative construction model for supply chain management by measuring agility and cost of quality: An empirical study. Scientia Iranica, 2017, 24, 2515-2526.	0.3	10
342	Solving a novel multi-skilled project scheduling model by scatter search. South African Journal of Industrial Engineering, 2012, 24, 121.	0.2	10

#	Article	IF	Citations
343	Designing a clinical decision support system for Alzheimerâ€™s diagnosis on OASIS-3 data set. Biomedical Signal Processing and Control, 2022, 74, 103527.	3.5	10
344	Dynamic lot sizing problem with continuous-time Markovian production cost. International Journal of Production Economics, 2009, 120, 607-612.	5.1	9
345	Imperialistic Competitive Algorithm for Solving a Dynamic Cell Formation Problem with Production Planning. Lecture Notes in Computer Science, 2010, , 266-276.	1.0	9
346	A new approach for cell formation and scheduling with assembly operations and product structure. International Journal of Industrial Engineering Computations, 2011, 2, 533-546.	0.4	9
347	DEVELOPING A HYBRID DATA MINING APPROACH BASED ON MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION FOR SOLVING A TRAVELING SALESMAN PROBLEM. Journal of Business Economics and Management, 2012, 13, 951-967.	1.1	9
348	A hybrid meta-heuristic algorithm for the vehicle routing problem with stochastic travel times considering the driver's satisfaction. Journal of Industrial Engineering International, 2012, 8, 1.	1.8	9
349	A fuzzy solution approach for a multi-objective integrated production-distribution model with multi products and multi periods under uncertainty. Management Science Letters, 2012, 2, 2425-2434.	0.8	9
350	Solving the economic lot and delivery scheduling problem in a flexible job shop with unrelated parallel machines and a shelf life by a proposed hybrid PSO. International Journal of Advanced Manufacturing Technology, 2013, 68, 1401-1416.	1.5	9
351	An imperialist competitive algorithm for a bi-objective parallel machine scheduling problem with load balancing consideration. International Journal of Industrial Engineering Computations, 2013, 4, 191-202.	0.4	9
352	Using the Analytical Network Process to Select the Best Strategy for Reducing Risks in a Supply Chain. Journal of Engineering (United States), 2013, 2013, 1-9.	0.5	9
353	An archived multi-objective simulated annealing for a dynamic cellular manufacturing system. Journal of Industrial Engineering International, 2014, 10, 1.	1.8	9
354	A multi-objective location-allocation problem with lateral transshipment between distribution centres. International Journal of Logistics Systems and Management, 2015, 22, 464.	0.2	9
355	A modified imperialist competitive algorithm for scheduling single batch-processing machine with fuzzy due date. International Journal of Advanced Manufacturing Technology, 2016, 85, 2439-2458.	1.5	9
356	Fuzzy Dynamic Location-Allocation Problem with Temporary Multi-Medical Centers in Disaster Management. IFAC-PapersOnLine, 2018, 51, 1554-1560.	0.5	9
357	Agile two-stage lot-sizing and scheduling problem with reliability, customer satisfaction and behaviour under uncertainty: a hybrid metaheuristic algorithm. Engineering Optimization, 2020, 52, 1323-1343.	1.5	9
358	In-port multi-ship routing and scheduling problem with draft limits. Maritime Policy and Management, 2021, 48, 966-987.	1.9	9
359	A robust location-arc routing problem under uncertainty: mathematical model with lower and upper bounds. Computational and Applied Mathematics, 2020, 39, 1.	1.0	9
360	A multi-verse optimizer algorithm for ambulance repositioning in emergency medical service systems. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 549-570.	3.3	9

#	Article	IF	Citations
361	Hybridization of an interactive fuzzy methodology with a lexicographic min-max approach for optimizing a multi-period multi-product multi-echelon sustainable closed-loop supply chain network. Computers and Industrial Engineering, 2021, 158, 107282.	3.4	9
362	A new enhanced support vector model based on general variable neighborhood search algorithm for supplier performance evaluation: A case study. International Journal of Computational Intelligence Systems, 2017, 10, 293.	1.6	9
363	A cluster-based emergency vehicle routing problem in disaster with reliability. Scientia Iranica, 2017, .	0.3	9
364	An integrated approach for evaluating and improving the performance of surgical theaters with resilience engineering. Computers in Biology and Medicine, 2022, 141, 105148.	3.9	9
365	A fuzzy random Vehicle Routing Problem: The case of Iran. , 2009, , .		8
366	The use of a genetic algorithm for clustering the weighing station performance in transportation â€“ A case study. Expert Systems With Applications, 2011, 38, 11744-11750.	4.4	8
367	A two-phase fuzzy programming model for a complex bi-objective no-wait flow shop scheduling. International Journal of Industrial Engineering Computations, 2012, 3, 617-626.	0.4	8
368	A stochastic multiobjective multiconstraint inventory model under inflationary condition and different inspection scenarios. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 1057-1074.	1.5	8
369	Hierarchical Neural Regression Models for Customer Churn Prediction. Journal of Engineering (United States), 2013, 2013, 1-9.	0.5	8
370	Lead time and ordering cost reductions in budget and storage space restricted probabilistic inventory models with imperfect items. RAIRO - Operations Research, 2015, 49, 215-242.	1.0	8
371	Two calibrated meta-heuristics to solve an integrated scheduling problem of production and air transportation with the interval due date. Soft Computing, 2020, 24, 16383-16411.	2.1	8
372	A data-driven multi-criteria decision-making approach for assessing new product conceptual designs. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2022, 236, 1900-1911.	1.5	8
373	Solving a new robust reverse job shop scheduling problem by meta-heuristic algorithms. Engineering Applications of Artificial Intelligence, 2021, 101, 104207.	4.3	8
374	A multi-product pricing and inventory model with production rate proportional to power demand rate. Advances in Production Engineering and Management, 2019, 14, 112-124.	0.8	8
375	A hybrid intelligent algorithm for a fuzzy multi-objective job shop scheduling problem with reentrant workflows and parallel machines. Journal of Intelligent and Fuzzy Systems, 2020, 39, 7769-7785.	0.8	8
376	An intelligent algorithm to evaluate and improve the performance of a home healthcare center considering trust indicators. Computers in Biology and Medicine, 2022, 146, 105656.	3.9	8
377	A genetic algorithm-based grouping method for a cell formation problem with the efficacy measure. International Journal of Industrial and Systems Engineering, 2010, 6, 340.	0.1	7
378	A Multi-Objective Mathematical Model for Green Supply Chain Reorganization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 81-86.	0.4	7

#	Article	IF	Citations
379	Dispatching Rule Evaluation in Flexible Manufacturing Systems by a New Fuzzy Decision Model with Possibilistic-Statistical Uncertainties. Arabian Journal for Science and Engineering, 2017, 42, 2947-2960.	1.7	7
380	Prioritizing Surgical Cancellation Factors Based on a Fuzzy Best-Worst Method: A Case Study. IFAC-PapersOnLine, 2019, 52, 112-117.	0.5	7
381	A Multi-Depot Close and Open Vehicle Routing Problem with Heterogeneous Vehicles. , 2019, , .		7
382	A capacitated bike sharing location-allocation problem under demand uncertainty using sample average approximation: A greedy Genetic-Particle Swarm Optimization algorithm. Scientia Iranica, 2017, 24, 2567-2580.	0.3	7
383	An integrated approach to open-pit mines production scheduling. Resources Policy, 2022, 75, 102459.	4.2	7
384	Prioritizing the glucose-lowering medicines for type 2 diabetes by an extended fuzzy decision-making approach with target-based attributes. Medical and Biological Engineering and Computing, 2022, 60, 2423-2444.	1.6	7
385	An Evolutionary Algorithm for a Single-Item Resource-Constrained Aggregate Production Planning Problem. , 0, , .		6
386	Fuzzy multi criteria decision making method for temporary storage design in industrial plants. , 2008, , .		6
387	A Jackknife technique to estimate the standard deviation in a project risk severity data analysis. , 2009, , .		6
388	A New Mathematical Model for Fuzzy Flexible Flow Shop Scheduling of Unrelated Parallel Machines Maximizing the Weighted Satisfaction Level. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 798-803.	0.4	6
389	A network design model considering inventory cost from a third party logistics perspective. International Journal of Management Science and Engineering Management, 2012, 7, 29-35.	2.6	6
390	A new supply chain management method with one-way time window: A hybrid PSO-SA approach. International Journal of Industrial Engineering Computations, 2012, 3, 241-252.	0.4	6
391	A new method for trapezoidal fuzzy numbers ranking based on the Shadow length and its application to manager's risk taking. Journal of Intelligent and Fuzzy Systems, 2014, 26, 77-89.	0.8	6
392	Service quality-based distributor selection problem: a hybrid approach using fuzzy ART and AHP-FTOPSIS. International Journal of Productivity and Quality Management, 2014, 13, 157.	0.1	6
393	Application of core vector machines for induction motor drive fault diagnosis. Journal of Intelligent and Fuzzy Systems, 2015, 29, 1-14.	0.8	6
394	An Interval-Valued Hesitant Fuzzy TOPSIS Method to Determine the Criteria Weights. Lecture Notes in Business Information Processing, 2015, , 157-169.	0.8	6
395	Solving a bi-objective vehicle routing problem under uncertainty by a revised multi-choice goal programming approach. International Journal of Industrial Engineering Computations, 2017, , 283-302.	0.4	6
396	A new mathematical model for a multi-product location-arc routing problem. , 2018, , .		6

#	Article	IF	Citations
397	A Bi-Level Bi-Objective Mathematical Model for Stop Location in a School Bus Routing Problem. IFAC-PapersOnLine, 2019, 52, 1120-1125.	0.5	6
398	Bi-objective inventory routing problem with backhauls under transportation risks: two meta-heuristics. Transportation Letters, 2020, 12, 113-129.	1.8	6
399	Designing a model for service facility protection with a time horizon based on tri-level programming. Engineering Optimization, 2020, 52, 90-105.	1.5	6
400	Sustainable EOQ and EPQ models for a two-echelon multi-product supply chain with return policy. Environment, Development and Sustainability, 2022, 24, 5317-5343.	2.7	6
401	REBALANCING STATIC BIKE-SHARING SYSTEMS: A TWO-PERIOD TWO-COMMODITY MULTI-DEPOT MATHEMATICAL MODEL. Transport, 2018, 33, 718-726.	0.6	6
402	Solving a hub location-routing problem with a queue system under social responsibility by a fuzzy meta-heuristic algorithm. Annals of Operations Research, 2023, 324, 1099-1128.	2.6	6
403	A New Application of Coordination Contracts for Supplier Selection in a Cloud Environment. IFIP Advances in Information and Communication Technology, 2020, , 197-205.	0.5	6
404	Search in forest optimizer: a bioinspired metaheuristic algorithm for global optimization problems. Soft Computing, 2022, 26, 2325-2356.	2.1	6
405	Bi-objective collaborative electric vehicle routing problem: mathematical modeling and matheuristic approach. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 10277-10297.	3.3	6
406	Learning-based dynamic ticket pricing for passenger railway service providers. Engineering Optimization, 2023, 55, 703-717.	1.5	6
407	Sustainable High-Tech Brick Production with Energy-Oriented Consumption: An Integrated Possibilistic Approach Based on Criteria Interdependencies. Sustainability, 2022, 14, 202.	1.6	6
408	A fuzzy multi-objective tabu-search method for a new bi-objective open shop scheduling problem. , 2009, , .		5
409	A seriesâ€"parallel redundant reliability system for cellular manufacturing design. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2009, 223, 233-250.	0.6	5
410	SOLVING A SINGLE MACHINE SCHEDULING PROBLEM BY A DISCRETE VERSION OF ELECTROMAGNETISM-LIKE METHOD. Journal of Circuits, Systems and Computers, 2009, 18, 1597-1608.	1.0	5
411	Hybrid Metaheuristics for Solving a Fuzzy Single Batch-Processing Machine Scheduling Problem. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	5
412	Solving a multi-objective chance-constrained hub covering location problem by discrete invasive weed optimization. Cogent Engineering, 2014, 1, 991526.	1.1	5
413	A mathematical model for assessing the effects of a lot splitting feature on a dynamic cellular manufacturing system. Production Engineering, 2017, 11, 557-573.	1.1	5
414	A Warfare Inspired Optimization Algorithm: The Find-Fix-Finish-Exploit-Analyze (F3EA) Metaheuristic Algorithm. Advances in Intelligent Systems and Computing, 2017, , 393-408.	0.5	5

#	Article	IF	Citations
415	A bi-objective location-allocation problem of temporary emergency stations and ambulance routing in a disaster situation. , 2018, , .		5
416	Mixed-integer linear programming model for tree-like pipeline scheduling problem with intermediate due dates on demands. Operational Research, 2020, 20, 399-425.	1.3	5
417	Pricing and market segmentation in an uncertain supply chain. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	5
418	Educational demographics: a system dynamics model for human resource management. International Journal of Systems Assurance Engineering and Management, 2020, 11, 662-676.	1.5	5
419	A new mathematical model to cover crew pairing and rostering problems simultaneously. Journal of Engineering Research, 2021, 9, .	0.4	5
420	Sustainable facility relocation in agriculture systems using the GIS and bestâ€“worst method. Kybernetes, 2022, 51, 2343-2382.	1.2	5
421	Integration of Facility Location and Hypercube Queuing Models in Emergency Medical Systems. Journal of Systems Science and Systems Engineering, 2021, 30, 495.	0.8	5
422	A Bi-objective Scheduling Model for Additive Manufacturing with Multiple Materials and Sequence-Dependent Setup Time. IFIP Advances in Information and Communication Technology, 2020, , 451-459.	0.5	5
423	Competitive facility location problem with foresight considering discrete-nature attractiveness for facilities: Model and solution. Computers and Operations Research, 2022, 146, 105900.	2.4	5
424	A Memetic Algorithm for Multi-Criteria Sequencing Problem for a Mixed-Model Assembly Line in a JIT Production System. , 0, , .		4
425	A discrete-time approximation technique for the time-cost trade-off in PERT networks. RAIRO - Operations Research, 2007, 41, 61-81.	1.0	4
426	Solving an Open Shop Scheduling Problem by a Novel Hybrid Multi-Objective Ant Colony Optimization. , 2008, , .		4
427	A new mathematical model for a distribution network problem in a multi-product supply chain system: a real-case study. International Journal of Manufacturing Technology and Management, 2008, 15, 1.	0.1	4
428	An extension of the relaxation algorithm for solving aÂspecial case of capacitated arc routing problems. Journal of Combinatorial Optimization, 2009, 17, 214-234.	0.8	4
429	A New Branch-and-Bound Algorithm for the Unrelated Parallel Machine Scheduling Problem with Sequence-Dependent Setup Times. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 792-797.	0.4	4
430	Designing a multi-echelon supply chain network: A car manufacturer case study. Journal of Intelligent and Fuzzy Systems, 2014, 27, 2897-2914.	0.8	4
431	Optimal Design of the Cross-docking in Distribution Networks: Heuristic Solution Approach. International Journal of Engineering, Transactions B: Applications, 2014, 27, .	0.6	4
432	Modelling and solving of a lot sizing problem for multiple items and multiple periods with shortage. International Journal of Services and Operations Management, 2015, 20, 102.	0.1	4

#	Article	IF	Citations
433	Optimizing a vendor managed inventory (VMI) model considering delivering cost in a three-echelon supply chain using two tuned-parameter meta-heuristics. International Journal of Systems Assurance Engineering and Management, 2015, 6, 500-510.	1.5	4
434	Design of a Reliable Bi-objective Relief Routing Network in the Earthquake Response Phase. Procedia Computer Science, 2016, 102, 74-81.	1.2	4
435	A note on â€œminimizing makespan in three machine flow shop with deteriorating jobsâ€• Computers and Operations Research, 2016, 72, 93-96.	2.4	4
436	A note on â€œOn three-machine flow shop scheduling with deteriorating jobsâ€• International Journal of Production Economics, 2017, 191, 250-252.	5.1	4
437	An Approximation Approach for an Integrated Part Quality Inspection and Preventive Maintenance Planning in a Nonlinear Deteriorating Serial Multi-stage Manufacturing System. IFAC-PapersOnLine, 2018, 51, 270-275.	0.5	4
438	Robust Periodic Vehicle Routing Problem with Time Windows under Uncertainty: An Efficient Algorithm. KSCE Journal of Civil Engineering, 2018, 22, 4626-4634.	0.9	4
439	Layout optimization of injection process by considering integrated resilience engineering: a fuzzy-DEA approach. International Journal of Modelling and Simulation, 2021, 41, 52-66.	2.3	4
440	Integration of parts scheduling, MRP, production planning and generalized fixed-charge transportation planning in the design of a dynamic cellular manufacturing system. RAIRO - Operations Research, 2021, 55, S1875-S1912.	1.0	4
441	A simulation-optimization algorithm for return strategies in emergency medical systems. Simulation, 2021, 97, 565-588.	1.1	4
442	A multi-functional tri-objective mathematical model for the pharmaceutical supply chain considering congestion of drugs in factories. Research in Transportation Economics, 2022, 92, 101094.	2.2	4
443	A new bi-objective model for a closed-loop supply chain problem with inventory and transportation times. Scientia Iranica, 2016, 23, 1441-1458.	0.3	4
444	Resilient Network Design in a Location-Allocation Problem with Multi-Level Facility Hardening. Scientia Iranica, 2018, .	0.3	4
445	A mathematical model for an integrated airline fleet assignment and crew scheduling problem solved by vibration damping optimization. Scientia Iranica, 2019, .	0.3	4
446	A Multi-objective Imperialist Competitive Algorithm for a Capacitated Single-allocation Hub Location Problem. International Journal of Engineering, Transactions B: Applications, 2013, 26, .	0.6	4
447	A Robust Model for a Dynamic Cellular Manufacturing System with Production Planning. International Journal of Engineering, Transactions B: Applications, 2014, 27, .	0.6	4
448	Optimization of a television advertisement scheduling problem by multi-criteria decision making and dispatching rules. Multimedia Tools and Applications, 2022, 81, 11755-11772.	2.6	4
449	Desensitized control charts with operational importance for autocorrelated processes. Quality Technology and Quantitative Management, 2022, 19, 665-691.	1.1	4
450	Multi-objective programming and Six Sigma approaches for a competitive pharmaceutical supply chain with the value chain and product lifecycle. Environmental Science and Pollution Research, 0, , .	2.7	4

#	Article	IF	Citations
451	Solving a new mathematical model of a closed-loop layout problem with unequal-sized facilities by a genetic algorithm. , 2007, , .		3
452	Designing a fuzzy system for controlling the armament fire in dynamic siege. Expert Systems With Applications, 2009, 36, 11691-11698.	4.4	3
453	A new single machine scheduling problem with setup time, job deterioration and maintenance costs. International Journal of Management Science and Engineering Management, 2011, 6, 284-291.	2.6	3
454	SOLVING A NEW BI-OBJECTIVE MODEL FOR A CELL FORMATION PROBLEM CONSIDERING LABOR ALLOCATION BY MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION. International Journal of Engineering, Transactions B: Applications, 2011, , .	0.6	3
455	Two meta-heuristics to solve a coordinated air transportation and production scheduling problem with time windows for the due date. , 2016, , .		3
456	Fuzzy multi-objective supply chain master planning in a wood and paper industry: A case study. IFAC-PapersOnLine, 2016, 49, 1632-1637.	0.5	3
457	Bertrand competition for a cellular manufacturing system. International Journal of Computer Integrated Manufacturing, 2017, 30, 1224-1238.	2.9	3
458	Uncertain production scheduling optimization in open-pit mines and its ellipsoidal robust counterpart. International Journal of Management Science and Engineering Management, 0, , 1-9.	2.6	3
459	Solving a multi-objective train makeup model with locomotive limitation by using a firefly algorithm: A case study. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 1483-1499.	1.3	3
460	Postdisaster Relief Distribution Network Design Under Disruption Risk: A Tour Covering Location-Routing Approach. , 2018, , 393-406.		3
461	Multi-objective interior search algorithm for optimization: A new multi-objective meta-heuristic algorithm. Journal of Intelligent and Fuzzy Systems, 2018, 35, 3307-3319.	0.8	3
462	Integrated Waterway Scheduling, Berth Allocation and Quay Crane Assignment Problem by Using a Hybrid Flow Shop Concept. , 2019, , .		3
463	Scheduling of Parallel 3D-Printing Machines with Incompatible Job Families: A Matheuristic Algorithm. IFIP Advances in Information and Communication Technology, 2021, , 51-61.	0.5	3
464	Modelling and solving the bi-objective productionâ€“transportation problem with time windows and social sustainability. IMA Journal of Management Mathematics, 0, , .	1.1	3
465	An Improvement in Master Surgical Scheduling Using Artificial Neural Network and Fuzzy Programming Approach. IFIP Advances in Information and Communication Technology, 2020, , 254-262.	0.5	3
466	Scenario-Based Location Arc Routing Problems: Introducing Mathematical Models. , 2018, , 511-521.		3
467	Integrated Forward-reverse Logistics Network Design under Uncertainty and Reliability Consideration. Scientia Iranica, 2016, 23, 721-735.	0.3	3
468	QUANTITATIVE AND QUALITATIVE METHODS IN RISK-BASED RELIABILITY ASSESSING UNDER EPISTEMIC UNCERTAINTY. South African Journal of Industrial Engineering, 2012, 23, .	0.2	3

#	Article	IF	Citations
469	An Efficient Genetic Algorithm For Two-stage Hybrid Flow Shop Scheduling With Preemption And Sequence Dependent Setup Time. Journal of Mathematics and Computer Science, 2013, 06, 251-259.	0.5	3
470	The use of memetic algorithm in operations scheduling of cellular manufacturing systems with makespan. , 2007, , .		2
471	A simple and effective heuristic for periodic vehicle routing problem. , 2008, , .		2
472	Minimization of weighted tardiness and makespan in an open shop environment by a novel hybrid multi-objective meta-heuristic method. , 2008, , .		2
473	Multi-objective Particle Swarm Optimization for Sequencing and Scheduling a Cellular Manufacturing System. Communications in Computer and Information Science, 2010, , 69-75.	0.4	2
474	Genetic and hybrid shuffled frog leaping algorithms for solving a 2-stage model for a hub covering location network. , 2011, , .		2
475	Designing the Retouch Line in an Automobile Factory using a Simulation-based Optimization Technique; A Real Case Study. Procedia, Social and Behavioral Sciences, 2012, 62, 995-1000.	0.5	2
476	A Hybrid Simulated Annealing Algorithm for Location of Cross-Docking Centers in a Supply Chain. Lecture Notes in Computer Science, 2013, , 12-21.	1.0	2
477	Scheduling trucks in cross docking systems with temporary storage and dock repeat truck holding pattern using genetic algorithm. Management Science Letters, 2013, 3, 603-612.	0.8	2
478	Design of a dynamic bi-objective relief routing network in the earthquake response phase. , 2014, , .		2
479	Redundancy Resource Allocation for Reliable Project Scheduling: A Game-theoretical Approach. Procedia Computer Science, 2015, 64, 265-273.	1.2	2
480	A stochastic approach for a novel p-hub location-allocation problem with opening and reopening modes. International Journal of Business Performance and Supply Chain Modelling, 2015, 7, 305.	0.2	2
481	A new multi-objective model for a capacitated hub covering problem solving by two multi-objective evolutionary algorithms. International Journal of Mathematics in Operational Research, 2016, 9, 99.	0.1	2
482	A New Approach to Integrate Resilience Engineering and Business Process Reengineering Design. , 2018, , .		2
483	An integrated cellular manufacturing system with type-2 fuzzy variables: Three tuned meta-heuristic algorithms. Journal of Intelligent and Fuzzy Systems, 2018, 35, 2293-2308.	0.8	2
484	A novel two-stage approach for solving a bi-objective facility layout problem. International Journal of Operational Research, 2018, 31, 49.	0.1	2
485	A Tailored Fuzzy Simulation Integrated with a Fuzzy DEA Method for a Resilient Facility Layout Problem: A Case Study of a Refrigerator Injection Process. IFAC-PapersOnLine, 2019, 52, 541-546.	0.5	2
486	Sustainable Design for a Bi-level Transportation-Location-Vehicle Routing Scheduling Problem in a Perishable Product Supply Chain. Studies in Computational Intelligence, 2019, , 308-321.	0.7	2

#	Article	IF	Citations
487	Location Optimization of Gas Power Plants by a Z-Number Data Envelopment Analysis. Advances in Intelligent Systems and Computing, 2020, , 926-936.	0.5	2
488	An optimization model for evacuating people with disability in extreme disaster conditions: A case study. Scientia Iranica, 2021, .	0.3	2
489	A combinatorial auctionâ€based approach for ridesharing in a student transportation system. Networks, 2021, 78, 229-247.	1.6	2
490	A Comparison of Three Meta-heuristics for a Closed-Loop Layout Problem with Unequal-Sized Facilities. Studies in Computational Intelligence, 2008, , 265-278.	0.7	2
491	Interval-Valued Uncertainty Based on Entropy and Dempsterâ€“Shafer Theory. Journal of Statistical Theory and Applications, 2018, 17, 627.	0.4	2
492	Solving a new bi-objective multi-echelon supply chain problem with a Jackson open-network issue under uncertainty. Soft Computing, 2022, 26, 1961-2007.	2.1	2
493	Comparison among four calibrated meta-heuristic algorithms for solving a type-2 fuzzy cell formation problem considering economic and environmental criteria. Advances in Production Engineering and Management, 2018, 13, 5-17.	0.8	2
494	A satisfactory multi-agent single-machine considering a cross-docking terminal. International Journal of System of Systems Engineering, 2019, 9, 307.	0.4	2
495	A new decision approach for the sustainable transport investment selection based on the generalized entropy and knowledge measure under an interval-valued Pythagorean fuzzy environment. Scientia Iranica, 2019, .	0.3	2
496	A New Mathematical Model for a Multi-product Supply Chain Network with a Preventive Maintenance Policy. International Journal of Engineering, Transactions A: Basics, 2019, 32, .	0.5	2
497	Multi-objective Optimization for Mixed-model Assembly Line Sequencing and Balancing in the Context of Industry 4.0. , 2020, , .		2
498	A systems approach to improve reliability of a contract by Modularising contractâ€™s information flow architecture: a new contribution to risk mitigation in projects management. Enterprise Information Systems, 0, , 1-41.	3.3	2
499	A mathematical tri-level programming model for designing an integrated dynamic petroleum product supply chain. Journal of Advances in Management Research, 2022, ahead-of-print, .	1.6	2
500	Allocation of parts to cells, minimising tardiness and idle time by simulated annealing. International Journal of Manufacturing Technology and Management, 2005, 7, 581.	0.1	1
501	SCHEDULING OF FLEXIBLE FLOW LINES WITH BLOCKING BY MEMETIC ALGORITHMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 21-26.	0.4	1
502	A GENERALIZED CELL FORMATION PROBLEM IN DYNAMIC ENVIRONMENT WITH DIFFERENT INTER and INTRA-CELL BATCH SIZES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 401-406.	0.4	1
503	A multi-objective identical parallel machine scheduling with setup and removal times with deteriorating and learning effects. , 2011, , .		1
504	An economic lot and delivery scheduling problem with the fuzzy shelf life in a flexible job shop with unrelated parallel machines. International Journal of Industrial Engineering Computations, 2012, 3, 663-680.	0.4	1

#	Article	IF	Citations
505	A fuzzy mixed integer linear programming model for integrating procurement-production-distribution planning in supply chain. International Journal of Industrial Engineering Computations, 2012, 3, 403-412.	0.4	1
506	Improving performance of customer relationship management by knowledge management — A case study. , 2013, , .		1
507	A multi-objective imperialist competitive algorithm to solve a new multi-modal tree hub location problem. , 2014, , .		1
508	A DNA Algorithm for Solving Vehicle Routing Problem. , 2014, , .		1
509	Vehicle sharing system with fleet sizing and multi-transportation modes under allowable shortages: a hybrid metaheuristic approach. Transportation Planning and Technology, 2016, 39, 300-317.	0.9	1
510	Multi-objective optimization of the competitive supply chain network design based on a huff model. , 2017, , .		1
511	A Bi-objective Credibility-based Fuzzy Mathematical Programming Model for a Healthcare Facility Location-network Design Problem. , 2018, , .		1
512	Performance Evaluation with a Z-number Data Envelopment Analysis: A Case Study of a Petrochemical Plant. , 2018, , .		1
513	Two-Machine Robotic Cell Scheduling with Controllable Inspection Times. , 2019, , .		1
514	A Robust Optimization Model for Joint Maintenance and Build-To-Order Supply Chain Under Uncertainties: A Case Study. , 2019, , .		1
515	Energy-Aware Permutation Flow Shop Scheduling Problem Considering the Inventory, Tardiness and Energy Costs. , 2019, , .		1
516	Home Healthcare Routing and Scheduling Problem During the COVID-19 Pandemic. IFIP Advances in Information and Communication Technology, 2021, , 373-382.	0.5	1
517	An extended Ïµâ€constraint method for a multiobjective finiteâ€horizon Markov decision process. International Transactions in Operational Research, 2022, 29, 3131-3160.	1.8	1
518	PRE-POSITIONING OF A RELIEF CHAIN IN HUMANITARIAN LOGISTICS UNDER UNCERTAINTY IN ROAD ACCIDENTS: A REAL-CASE STUDY. South African Journal of Industrial Engineering, 2021, 32, .	0.2	1
519	Integrated Workforce Allocation and Scheduling in a Reconfigurable Manufacturing System Considering Cloud Manufacturing. IFIP Advances in Information and Communication Technology, 2021, , 535-543.	0.5	1
520	Solving a discrete congested multi-objective location problem by hybrid simulated annealing with customerâ€™s perspective. Scientia Iranica, 2016, 23, 1857-1868.	0.3	1
521	Optimal fleet composition and mix periodic location-routing problem with time windows in an offshore oil and gas industry: A case study of National Iranian Oil Company. Scientia Iranica, 2018, .	0.3	1
522	Truck Scheduling in a Cross-Docking Terminal by Using Novel Robust Heuristics. International Journal of Engineering Transactions B: Applications, 2019, 32, .	0.6	1

#	Article	IF	Citations
523	An Efficient Imperialism Competitive Algorithm for a Reliable Hub Covering Location Problem. International Journal of Machine Learning and Computing, 2015, 5, 40-43.	0.8	1
524	SOLVING A BI-OBJECTIVE MANPOWER SCHEDULING PROBLEM CONSIDERING THE UTILITY OF OBJECTIVE FUNCTIONS. International Journal of Engineering, Transactions B: Applications, 2011, , .	0.6	1
525	Proposed a Novel Group Scheduling Problem in a Cellular Manufacturing System. , 2013, , 843-853.		1
526	A new mathematical model for a scheduling problem of dynamic machine-tool selection and operation allocation in a flexible manufacturing system: A modified evolutionary algorithm. Scientia Iranica, 2017, 24, 765-777.	0.3	1
527	Hypercube Queuing Models in Emergency Service Systems: A State-of-the-Art Review. Scientia Iranica, 2018, .	0.3	1
528	Modeling Stock-out Loss and Overstocking Loss Generated by Bullwhip Effect. Scientia Iranica, 2018, .	0.3	1
529	Multi-objective mathematical modeling of an integrated train makeup and routing problem in an Iranian railway company. Scientia Iranica, 2018, .	0.3	1
530	Integrated configuration design and capacity planning in a dynamic cloud manufacturing system. International Journal of Production Research, 2023, 61, 2873-2894.	4.9	1
531	FINITE HORIZON ELSP IN FLEXIBLE FLOW LINES WITH UNRELATED PARALLEL MACHINES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 139-144.	0.4	0
532	A comparative study for designing Cellular Manufacturing Systems with assembly aspects by a new approach. , 2010, , .		0
533	An Iterative Algorithm for a Capacitated Multi-Facility Weber Problem with Fuzzy Demands. , 2010, , .		0
534	Cellular manufacturing system considering machine availability and deteriorating items: A mathematical model. , 2010, , .		0
535	A multi-period facility location-relocation problem in the presence of a probabilistic line barrier. , 2011, , .		0
536	A group layout design model of a dynamic cellular manufacturing system. , 2011, , .		0
537	A simulated annealing for solving a group layout design model of a dynamic cellular manufacturing system. , 2011, , .		0
538	Selection of distribution centers with the time value of money and the loyal customer effect. , 2011, , .		0
539	Operational Research. Journal of Applied Mathematics, 2013, 2013, 1-2.	0.4	0
540	A two-stage mathematical model for cross-docking distribution planning solved by a two-stage heuristic algorithm. , 2013, , .		0

#	Article	IF	Citations
541	A new multi-objective scheduling problem on batch parallel machines with maximum allowable incompatibility for jobs. , 2015, , .		0
542	Resource Constraint Project Scheduling to meet Net Present Value and quality objectives of the program. , 2016, , .		0
543	A capacitated location-routing problem with customer satisfaction under facility disruption. , 2017, , .		0
544	Mathematical Modelling for a Semi-obnoxious Inverse Line Location Problem. , 2018, , .		0
545	Availability optimisation of multi-state series-parallel systems with human failures. International Journal of Industrial and Systems Engineering, 2018, 29, 127.	0.1	0
546	A Goal Programming Approach for a Fuzzy Single-Source Capacitated Facility Location Problem. , 2019, , .		0
547	Non-Preemptive Open Shop Scheduling Considering Machine Availability. , 2019, , .		0
548	A multi-period facility location-relocation problem in the presence of a probabilistic line barrier. , 2011, , .		0
549	A multi-objective identical parallel machine scheduling with setup and removal times with deteriorating and learning effects. , 2011, , .		0
550	A simulated annealing for solving a group layout design model of a dynamic cellular manufacturing system. , 2011, , .		0
551	A new method for fuzzy numbers ranking on the basis of hypotenuse set. International Journal of Mathematics in Operational Research, 2017, 10, 370.	0.1	0
552	A new nondominated sorting genetic algorithm based to the regression line For fuzzy traffic signal optimization problem. Scientia Iranica, 2017, .	0.3	0
553	Interval-Valued Uncertainty Based on Entropy and Dempsterâ€“Shafer Theory. Journal of Statistical Theory and Applications, 2018, 17, 627.	0.4	0
554	Full vs. partial coordination in serial N-echelon supply chains and a new profit sharing contract. Scientia Iranica, 2018, .	0.3	0
555	Location-Pricing Problem in the Closed-Loop Supply Chain Network Design Under Uncertainty. Studies in Computational Intelligence, 2019, , 360-371.	0.7	0
556	Fuzzy Goal Programming Based on a Taylor Series for a Pharmaceutical Supply Chain with a Marketing Mix Strategy and Product Life Cycle. Ecoproduction, 2020, , 395-406.	0.8	0
557	Lagrangian Dual Decomposition for Two-Echelon Reliable Facility Location Problems with Facility Disruptions. Ecoproduction, 2020, , 363-379.	0.8	0
558	Scheduling Piecewise Linear Deteriorating Jobs to Minimize Makespan in a Two-Machine Flowshop. SN Operations Research Forum, 2021, 2, 1.	0.6	0