

Fariborz Jolai

List of Publications by Year in descending order

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208
papers

6,515
citations

57758

44
h-index

95266

68
g-index

209
all docs

209
docs citations

209
times ranked

4565
citing authors

#	ARTICLE	IF	CITATIONS
1	Lion Optimization Algorithm (LOA): A nature-inspired metaheuristic algorithm. Journal of Computational Design and Engineering, 2016, 3, 24-36.	3.1	413
2	Mathematical modeling and heuristic approaches to flexible job shop scheduling problems. Journal of Intelligent Manufacturing, 2007, 18, 331-342.	7.3	277
3	A stochastic optimization model for integrated forward/reverse logistics network design. Journal of Manufacturing Systems, 2009, 28, 107-114.	13.9	225
4	Robust and reliable forward&reverse logistics network design under demand uncertainty and facility disruptions. Applied Mathematical Modelling, 2014, 38, 2630-2647.	4.2	179
5	A hybrid PSO algorithm for a multi-objective assembly line balancing problem with flexible operation times, sequence-dependent setup times and learning effect. International Journal of Production Economics, 2013, 141, 99-111.	8.9	140
6	Integrating fuzzy TOPSIS and multi-period goal programming for purchasing multiple products from multiple suppliers. Journal of Purchasing and Supply Management, 2011, 17, 42-53.	5.7	102
7	Prepositioning emergency earthquake response supplies: A new multi-objective particle swarm optimization algorithm. Applied Mathematical Modelling, 2016, 40, 5183-5199.	4.2	98
8	A green closed loop supply chain design using queuing system for reducing environmental impact and energy consumption. Journal of Cleaner Production, 2020, 242, 118452.	9.3	92
9	An M/M/c queue model for hub covering location problem. Mathematical and Computer Modelling, 2011, 54, 2623-2638.	2.0	88
10	Optimal investment and unit sizing of distributed energy systems under uncertainty: A robust optimization approach. Energy and Buildings, 2014, 85, 275-286.	6.7	87
11	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.	4.2	84
12	Integrated production&distribution planning in two-echelon systems: a resilience view. International Journal of Production Research, 2017, 55, 1040-1064.	7.5	84
13	Effective hybrid genetic algorithm for minimizing makespan on a single-batch-processing machine with non-identical job sizes. International Journal of Production Research, 2006, 44, 2337-2360.	7.5	80
14	A multi-objective scatter search for a mixed-model assembly line sequencing problem. Advanced Engineering Informatics, 2007, 21, 85-99.	8.0	77
15	A variable neighborhood search for job shop scheduling with set-up times to minimize makespan. Future Generation Computer Systems, 2009, 25, 654-661.	7.5	77
16	Developing a robust multi-objective model for pre/post disaster times under uncertainty in demand and resource. Journal of Cleaner Production, 2017, 154, 188-202.	9.3	77
17	Integrated multi-site production-distribution planning in supply chain by hybrid modelling. International Journal of Production Research, 2010, 48, 4043-4069.	7.5	76
18	A Simulated Annealing algorithm for a mixed model assembly U-line balancing type-I problem considering human efficiency and Just-In-Time approach. Computers and Industrial Engineering, 2013, 64, 669-685.	6.3	74

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19	A hybrid method for solving stochastic job shop scheduling problems. Applied Mathematics and Computation, 2005, 170, 185-206.	2.2	73
20	Flexible job shop scheduling with overlapping in operations. Applied Mathematical Modelling, 2009, 33, 3076-3087.	4.2	73
21	A Fuzzy Stochastic Multi-Attribute Group Decision-Making Approach for Selection Problems. Group Decision and Negotiation, 2013, 22, 207-233.	3.3	73
22	An enhanced possibilistic programming approach for reliable closed-loop supply chain network design. International Journal of Production Research, 2016, 54, 1358-1387.	7.5	71
23	Reliable design of a closed loop supply chain network under uncertainty: An interval fuzzy possibilistic chance-constrained model. Engineering Optimization, 2013, 45, 745-765.	2.6	70
24	The vehicle routing and scheduling problem with cross-docking for perishable products under uncertainty: Two robust bi-objective models. Applied Mathematical Modelling, 2019, 70, 605-625.	4.2	69
25	Revisiting a fuzzy rough economic order quantity model for deteriorating items considering quantity discount and prepayment. Mathematical and Computer Modelling, 2013, 57, 1466-1479.	2.0	68
26	A branch and bound algorithm for hybrid flow shop scheduling problem with setup time and assembly operations. Applied Mathematical Modelling, 2014, 38, 119-134.	4.2	68
27	Efficient stochastic hybrid heuristics for the multi-depot vehicle routing problem. Robotics and Computer-Integrated Manufacturing, 2010, 26, 564-569.	9.9	67
28	A hybrid NSGA-II and VNS for solving a bi-objective no-wait flexible flowshop scheduling problem. International Journal of Advanced Manufacturing Technology, 2014, 75, 1017-1033.	3.0	67
29	A novel hybrid meta-heuristic algorithm for a no-wait flexible flow shop scheduling problem with sequence dependent setup times. International Journal of Production Research, 2012, 50, 7447-7466.	7.5	63
30	A multi-objective quantity discount and joint optimization model for coordination of a single-buyer multi-vendor supply chain. Computers and Mathematics With Applications, 2011, 62, 3251-3269.	2.7	58
31	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.	7.5	58
32	Optimizing the sum of maximum earliness and tardiness of the job shop scheduling problem. Computers and Industrial Engineering, 2017, 107, 12-24.	6.3	56
33	An interactive possibilistic programming approach for a multi-objective hub location problem: Economic and environmental design. Applied Soft Computing Journal, 2017, 52, 699-713.	7.2	56
34	Minimizing number of tardy jobs on a batch processing machine with incompatible job families. European Journal of Operational Research, 2005, 162, 184-190.	5.7	55
35	Two-stage assembly flow-shop scheduling problem with non-identical assembly machines considering setup times. International Journal of Production Research, 2013, 51, 3625-3642.	7.5	55
36	A multi-agent approach to the integrated production scheduling and distribution problem in multi-factory supply chain. Applied Soft Computing Journal, 2018, 65, 577-589.	7.2	55

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37	An effective hybrid multi-objective genetic algorithm for bi-criteria scheduling on a single batch processing machine with non-identical job sizes. <i>Engineering Applications of Artificial Intelligence</i> , 2010, 23, 911-922.	8.1	54
38	Reliable design of a logistics network under uncertainty: A fuzzy possibilistic-queueing model. <i>Applied Mathematical Modelling</i> , 2013, 37, 3254-3268.	4.2	54
39	A hybrid imperialist competitive algorithm for minimizing makespan in a multi-processor open shop. <i>Applied Mathematical Modelling</i> , 2013, 37, 9603-9616.	4.2	53
40	Analyzing pricing, promised delivery lead time, supplier-selection, and ordering decisions of a multi-national supply chain under uncertain environment. <i>International Journal of Production Economics</i> , 2019, 209, 236-248.	8.9	51
41	A green vehicle routing problem with customer satisfaction criteria. <i>Journal of Industrial Engineering International</i> , 2016, 12, 529-544.	1.8	50
42	A new heuristic for resource-constrained project scheduling in stochastic networks using critical chain concept. <i>European Journal of Operational Research</i> , 2007, 176, 794-808.	5.7	49
43	An economic production lot size model with deteriorating items, stock-dependent demand, inflation, and partial backlogging. <i>Applied Mathematics and Computation</i> , 2006, 181, 380-389.	2.2	48
44	An inventory model for imperfect items under inflationary conditions with considering inspection errors. <i>Computers and Mathematics With Applications</i> , 2012, 63, 1007-1019.	2.7	48
45	An Electromagnetism-like algorithm for cell formation and layout problem. <i>Expert Systems With Applications</i> , 2012, 39, 2172-2182.	7.6	47
46	A possibilistic programming approach for the location problem of multiple cross-docks and vehicle routing scheduling under uncertainty. <i>Engineering Optimization</i> , 2013, 45, 1223-1249.	2.6	46
47	Capacity planning and reconfiguration for disaster-resilient health infrastructure. <i>Journal of Building Engineering</i> , 2019, 26, 100853.	3.4	44
48	A credibility-constrained programming for reliable forwardâ€“reverse logistics network design under uncertainty and facility disruptions. <i>International Journal of Computer Integrated Manufacturing</i> , 2015, 28, 664-678.	4.6	43
49	A new decision-making structure for the order entry stage in make-to-order environments. <i>International Journal of Production Economics</i> , 2008, 111, 351-367.	8.9	42
50	A simulation optimisation approach for real-time scheduling in an open shop environment using a composite dispatching rule. <i>International Journal of Computer Integrated Manufacturing</i> , 2017, 30, 1239-1252.	4.6	42
51	Integrating data transformation techniques with Hopfield neural networks for solving travelling salesman problem. <i>Expert Systems With Applications</i> , 2010, 37, 5331-5335.	7.6	40
52	A fuzzy goal programming and meta heuristic algorithms for solving integrated production: distribution planning problem. <i>Central European Journal of Operations Research</i> , 2011, 19, 547-569.	1.8	40
53	Bi-criteria assembly line balancing by considering flexible operation times. <i>Applied Mathematical Modelling</i> , 2011, 35, 5592-5608.	4.2	40
54	An integrated weighted fuzzy multi-objective model for supplier selection and order scheduling in a supply chain. <i>International Journal of Production Research</i> , 2018, 56, 3590-3614.	7.5	39

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55	Application of particle swarm optimization and simulated annealing algorithms in flow shop scheduling problem under linear deterioration. <i>Advances in Engineering Software</i> , 2012, 47, 1-6.	3.8	38
56	Optimal methods for batch processing problem with makespan and maximum lateness objectives. <i>Applied Mathematical Modelling</i> , 2010, 34, 314-324.	4.2	37
57	A single-machine scheduling problem with multiple unavailability constraints: A mathematical model and an enhanced variable neighborhood search approach. <i>Journal of Computational Design and Engineering</i> , 2017, 4, 46-59.	3.1	37
58	Hierarchical production planning and scheduling in make-to-order environments: reaching short and reliable delivery dates. <i>International Journal of Production Research</i> , 2009, 47, 5761-5789.	7.5	36
59	Mixed-model assembly line balancing in the make-to-order and stochastic environment using multi-objective evolutionary algorithms. <i>Expert Systems With Applications</i> , 2012, 39, 12026-12031.	7.6	36
60	A hybrid approach based on the genetic algorithm and neural network to design an incremental cellular manufacturing system. <i>Applied Soft Computing Journal</i> , 2011, 11, 4195-4202.	7.2	35
61	The use of a fuzzy multi-objective linear programming for solving a multi-objective single-machine scheduling problem. <i>Applied Soft Computing Journal</i> , 2010, 10, 919-925.	7.2	34
62	A two-stage hybrid flowshop scheduling problem in machine breakdown condition. <i>Journal of Intelligent Manufacturing</i> , 2013, 24, 193-199.	7.3	34
63	Bioethanol supply chain network design considering land characteristics. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109517.	16.4	34
64	Cooperative game for coordination of a green closed-loop supply chain. <i>Journal of Cleaner Production</i> , 2022, 363, 132371.	9.3	34
65	A mathematical model and extension algorithm for assembly flexible flow shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 65, 787-802.	3.0	33
66	No-wait flexible flowshop with uniform parallel machines and sequence-dependent setup time: a hybrid meta-heuristic approach. <i>Journal of Intelligent Manufacturing</i> , 2015, 26, 731-744.	7.3	33
67	A genetic algorithm for solving no-wait flexible flow lines with due window and job rejection. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 42, 523-532.	3.0	32
68	A simulation-based optimization model for solving flexible flow shop scheduling problems with rework and transportation. <i>Mathematics and Computers in Simulation</i> , 2021, 180, 152-178.	4.4	32
69	Integrating sequence-dependent group scheduling problem and preventive maintenance in flexible flow shops. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 77, 173-185.	3.0	31
70	Optimal design of distributed energy system in a neighborhood under uncertainty. <i>Energy</i> , 2016, 116, 567-582.	8.8	31
71	No-wait flow shop scheduling using fuzzy multi-objective linear programming. <i>Journal of the Franklin Institute</i> , 2008, 345, 452-467.	3.4	30
72	A method to compare supply chains of an industry. <i>Supply Chain Management</i> , 2011, 16, 82-97.	6.4	30

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73	Comparison of different input selection algorithms in neuro-fuzzy modeling. Expert Systems With Applications, 2012, 39, 1536-1544.	7.6	30
74	A new stochastic approach for a reliable p -hub covering location problem. Computers and Industrial Engineering, 2015, 90, 371-380.	6.3	29
75	A parallel machine scheduling problem with two-agent and tool change activities: an efficient hybrid metaheuristic algorithm. International Journal of Computer Integrated Manufacturing, 2016, 29, 1075-1088.	4.6	29
76	Designing a sustainable humanitarian relief logistics model in pre- and postdisaster management. International Journal of Sustainable Transportation, 2021, 15, 604-620.	4.1	29
77	Performance estimation of an email contact center by a finite source discrete time Geo/Geo/1 queue with disasters. Computers and Industrial Engineering, 2008, 55, 543-556.	6.3	28
78	A multi-objective mixed-model assembly line sequencing problem in order to minimize total costs in a Make-To-Order environment, considering order priority. Journal of Manufacturing Systems, 2013, 32, 124-137.	13.9	28
79	Incorporating learning effect and deterioration for solving a SDST flexible job-shop scheduling problem with a hybrid meta-heuristic approach. International Journal of Computer Integrated Manufacturing, 2014, 27, 733-746.	4.6	28
80	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.	13.9	28
81	Prioritizing and queueing the emergency departmentsâ€™ patients using a novel data-driven decision-making methodology, a real case study. Expert Systems With Applications, 2022, 195, 116568.	7.6	28
82	Order acceptance/rejection policies in determining the sequence in mixed model assembly lines. Applied Mathematical Modelling, 2013, 37, 2531-2551.	4.2	27
83	Heuristics for an assembly flow-shop with non-identical assembly machines and sequence dependent setup times to minimize sum of holding and delay costs. Computers and Operations Research, 2014, 44, 52-65.	4.0	27
84	A biogeography-based optimisation algorithm for a realistic no-wait hybrid flow shop with unrelated parallel machines to minimise mean tardiness. International Journal of Computer Integrated Manufacturing, 2016, 29, 1007-1024.	4.6	27
85	Flexibility in service parts supply chain: a study on emergency resupply in aviation MRO. International Journal of Production Research, 2018, 56, 3547-3562.	7.5	27
86	Prioritizing Post-Disaster Reconstruction Projects Using an Integrated Multi-Criteria Decision-Making Approach: A Case Study. Buildings, 2022, 12, 136.	3.1	26
87	Reliable design of an integrated forward-reverse logistics network under uncertainty and facility disruptions: A fuzzy possibilistic programming model. KSCE Journal of Civil Engineering, 2015, 19, 1117-1128.	1.9	25
88	A novel vehicle routing problem for vaccine distribution using SIR epidemic model. OR Spectrum, 2021, 43, 155-188.	3.4	25
89	Off-Site Construction Three-Echelon Supply Chain Management with Stochastic Constraints: A Modelling Approach. Buildings, 2022, 12, 119.	3.1	25
90	Minimizing makespan on a three-machine flowshop batch scheduling problem with transportation using genetic algorithm. Applied Soft Computing Journal, 2012, 12, 768-777.	7.2	24

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91	Robust and Fuzzy Optimisation Models for a Flow shop Scheduling Problem with Sequence Dependent Setup Times: A real case study on a PCB assembly company. <i>International Journal of Computer Integrated Manufacturing</i> , 2017, 30, 552-563.	4.6	24
92	Genetic algorithm for bi-criteria single machine scheduling problem of minimizing maximum earliness and number of tardy jobs. <i>Applied Mathematics and Computation</i> , 2007, 194, 552-560.	2.2	23
93	An integrated approach for the cell formation and layout design in cellular manufacturing systems. <i>International Journal of Production Research</i> , 2013, 51, 6017-6044.	7.5	23
94	Permutation flowshops with transportation times: mathematical models and solution methods. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 46, 631-647.	3.0	22
95	Two-stage flow-shop scheduling problem with non-identical second stage assembly machines. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 2215-2226.	3.0	22
96	A hybrid multi-objective approach based on the genetic algorithm and neural network to design an incremental cellular manufacturing system. <i>Computers and Industrial Engineering</i> , 2013, 66, 1004-1014.	6.3	22
97	A modified imperialist competitive algorithm for a two-agent single-machine scheduling under periodic maintenance consideration. <i>International Journal of Operational Research</i> , 2018, 32, 127.	0.2	22
98	Green supply chain management through call option contract and revenue-sharing contract to cope with demand uncertainty. <i>Cleaner Logistics and Supply Chain</i> , 2021, 2, 100010.	6.0	21
99	An integrated fuzzy DEA-fuzzy AHP approach: a new model for ranking decision-making units. <i>International Journal of Operational Research</i> , 2013, 17, 38.	0.2	20
100	Pre-positioning and dynamic operations planning in pre- and post-disaster phases with lateral transshipment under uncertainty and disruption. <i>Journal of Industrial Engineering International</i> , 2019, 15, 53-68.	1.8	20
101	A latency-aware task scheduling algorithm for allocating virtual machines in a cost-effective and time-sensitive fog-cloud architecture. <i>Journal of Supercomputing</i> , 2022, 78, 93-122.	3.6	20
102	An M/M/C/K queueing system in an inventory routing problem considering congestion and response time for post-disaster humanitarian relief: a case study. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2022, 12, 182-219.	2.8	20
103	A multi-commodity network flow model for railway capacity optimization in case of line blockage. <i>International Journal of Rail Transportation</i> , 2019, 7, 297-320.	2.7	19
104	A green multi-facilities open location-routing problem with planar facility locations and uncertain customer. <i>Journal of Cleaner Production</i> , 2021, 282, 124343.	9.3	19
105	A multi-objective mixed integer linear programming model proposed to optimize a supply chain network for microalgae-based biofuels and co-products: a case study in Iran. <i>Environmental Science and Pollution Research</i> , 2022, , .	5.3	19
106	A memetic algorithm for minimizing the total weighted completion time on a single machine under step-deterioration. <i>Advances in Engineering Software</i> , 2009, 40, 1074-1077.	3.8	18
107	A new IPSO-SA approach for cardinality constrained portfolio optimization. <i>International Journal of Industrial Engineering Computations</i> , 2011, 2, 249-262.	0.7	18
108	A variable neighborhood binary particle swarm algorithm for cell layout problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 55, 327-339.	3.0	18

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109	A multi-objective Environmental Hedging Point Policy with customer satisfaction criteria. Journal of Cleaner Production, 2018, 179, 478-494.	9.3	17
110	A robust fuzzy stochastic model for the responsive-resilient inventory-location problem: comparison of metaheuristic algorithms. Annals of Operations Research, 2022, 315, 1895-1935.	4.1	17
111	A Novel Scenario-Based Bi-objective Optimization Model for Sustainable Food Supply Chain During the COVID-19: a Case Study. Process Integration and Optimization for Sustainability, 2022, 6, 139-159.	2.6	17
112	An adaptive neuro-fuzzy system for stock portfolio analysis. International Journal of Intelligent Systems, 2011, 26, 99-114.	5.7	16
113	Two-machine flow shop total tardiness scheduling problem with deteriorating jobs. Applied Mathematical Modelling, 2012, 36, 5418-5426.	4.2	16
114	Realistic two-stage flowshop batch scheduling problems with transportation capacity and times. Applied Mathematical Modelling, 2012, 36, 723-735.	4.2	16
115	Optimal Location Selection of Temporary Accommodation Sites in Iran via a Hybrid Fuzzy Multiple-Criteria Decision Making Approach. Journal of the Urban Planning and Development Division, ASCE, 2018, 144, 04018039.	1.7	16
116	Equilibrium threshold strategies and social benefits in the fully observable Markovian queues with partial breakdowns and interruptible setup/closedown policy. Quality Technology and Quantitative Management, 2020, 17, 685-722.	1.9	16
117	A rule-based heuristic algorithm for joint order batching and delivery planning of online retailers with multiple order pickers. Applied Intelligence, 2021, 51, 3917-3935.	5.3	16
118	Minimizing Makespan on a Single Batch Processing Machine with Non-identical Job Sizes: A Hybrid Genetic Approach. Lecture Notes in Computer Science, 2006, , 135-146.	1.3	16
119	Two robust meta-heuristics for scheduling multiple job classes on a single machine with multiple criteria. Expert Systems With Applications, 2010, 37, 5951-5959.	7.6	15
120	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.	1.4	15
121	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.	1.5	15
122	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.	1.8	15
123	Green product design in a supply chain with considering marketing under competition and coordination. Environment, Development and Sustainability, 2022, 24, 11721-11759.	5.0	15
124	Multi-criteria decision making for assembly line balancing. Journal of Intelligent Manufacturing, 2009, 20, 113-121.	7.3	14
125	A new model for classifying inputs and outputs and evaluating the performance of DMUs based on translog output distance function. Applied Mathematical Modelling, 2010, 34, 1439-1449.	4.2	14
126	Cyclic scheduling of a robotic flexible cell with load lock and swap. Journal of Intelligent Manufacturing, 2012, 23, 1885-1891.	7.3	14

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127	Solving a bi-objective cell formation problem with stochastic production quantities by a two-phase fuzzy linear programming approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 58, 709-722.	3.0	14
128	A fuzzy robust stochastic mathematical programming approach for multi-objective scheduling of the surgical cases. <i>Opsearch</i> , 2019, 56, 890-910.	1.8	14
129	A novel humanitarian and private sector relief chain network design model for disaster response. <i>International Journal of Disaster Risk Reduction</i> , 2021, 65, 102522.	3.9	14
130	Meta-Health Stack: A new approach for breast cancer prediction. <i>Healthcare Analytics</i> , 2022, 2, 100010.	4.3	14
131	A hybrid memetic algorithm for maximizing the weighted number of just-in-time jobs on unrelated parallel machines. <i>Journal of Intelligent Manufacturing</i> , 2011, 22, 247-261.	7.3	13
132	Two fuzzy possibilistic bi-objective zero-one programming models for outsourcing the equipment maintenance problem. <i>Engineering Optimization</i> , 2012, 44, 801-820.	2.6	13
133	A hybrid electromagnetism-like algorithm for dynamic inter/intra-cell layout problem. <i>International Journal of Computer Integrated Manufacturing</i> , 2014, 27, 501-518.	4.6	13
134	Exact algorithm for bi-objective 0-1 knapsack problem. <i>Applied Mathematics and Computation</i> , 2007, 194, 544-551.	2.2	12
135	Flow shop scheduling with two batch processing machines and nonidentical job sizes. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 45, 553-572.	3.0	12
136	A novel approach to determine a tactical and operational decision for dynamic appointment scheduling at nuclear medical center. <i>Computers and Operations Research</i> , 2017, 78, 267-277.	4.0	11
137	Simulated annealing and imperialist competitive algorithm for minimising makespan in an open shop. <i>International Journal of Operational Research</i> , 2013, 17, 275.	0.2	10
138	Bi-product inventory planning in a three-echelon supply chain with backordering, Poisson demand, and limited warehouse space. <i>Journal of Industrial Engineering International</i> , 2013, 9, 1.	1.8	10
139	An ERNSCA algorithm for the production and distribution planning problem in the multiagent supply chain. <i>International Transactions in Operational Research</i> , 2021, 28, 2139-2168.	2.7	10
140	A fuzzy based threshold policy for a single server retrial queue with vacations. <i>Central European Journal of Operations Research</i> , 2012, 20, 281-297.	1.8	9
141	Developing scenario-based robust optimisation approaches for the reverse logistics network design problem under uncertain environments. <i>International Journal of Services and Operations Management</i> , 2015, 20, 418.	0.2	9
142	Hybrid Electromagnetism-Like Algorithm for the Flowshop Scheduling with Sequence-Dependent Setup Times. <i>Journal of Applied Sciences</i> , 2008, 8, 3621-3629.	0.3	9
143	An inventory system with coordination among manufacturers and retailers under buyback contract, vertical integration, retailer's effort and carbon footprint constraint. <i>International Journal of Sustainable Engineering</i> , 2021, 14, 1551-1571.	3.5	9
144	Multi-objective model for multi-period, multi-products, supplier order allocation under linear discount. <i>International Journal of Management Science and Engineering Management</i> , 2013, 8, 24-31.	3.1	8

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145	A novel hybrid genetic algorithm to solve the make-to-order sequence-dependent flow-shop scheduling problem. Journal of Industrial Engineering International, 2014, 10, 1.	1.8	8
146	Reliable forward-reverse logistics network design under partial and complete facility disruptions. International Journal of Logistics Systems and Management, 2015, 20, 370.	0.2	8
147	A branch and price approach to the two-agent integrated production and distribution scheduling. Computers and Industrial Engineering, 2019, 136, 504-515.	6.3	8
148	A bi-objective manufacturing/remanufacturing system considering downward substitutions between three markets. Journal of Manufacturing Systems, 2021, 58, 75-92.	13.9	8
149	Heuristics for minimizing total completion time and maximum lateness on identical parallel machines with setup times. Journal of Intelligent Manufacturing, 2010, 21, 439-449.	7.3	7
150	Some heuristics for the hybrid flow shop scheduling problem with setup and assembly operations. International Journal of Industrial Engineering Computations, 2013, 4, 393-416.	0.7	7
151	A novel fuzzy stochastic multi-objective linear programming for multi-level capacitated lot-sizing problem: a real case study of a furniture company. International Journal of Advanced Manufacturing Technology, 2016, 84, 749-767.	3.0	7
152	Evaluating supply chain flexibility under demand uncertainty with smoothing approach and VMI considerations. Journal of Industrial and Production Engineering, 2018, 35, 486-505.	3.1	7
153	Simulation optimization of operator allocation problem with learning effects and server breakdown under uncertainty. Production and Manufacturing Research, 2018, 6, 396-415.	1.5	7
154	Hybrid wind-municipal solid waste biomass power plant location selection considering waste collection problem: a case study. Energy Sources, Part B: Economics, Planning and Policy, 2021, 16, 719-739.	3.4	7
155	Optimizing a bi-objective location-allocation-inventory problem in a dual-channel supply chain network with stochastic demands. RAIRO - Operations Research, 0, , .	1.8	7
156	A Stochastic Multi-Objective Model for a Sustainable Closed-Loop Supply Chain Network Design in the Automotive Industry. Process Integration and Optimization for Sustainability, 2022, 6, 189-209.	2.6	7
157	A novel mathematical optimization model for a preemptive multi-priority M/M/C queueing system of emergency department's patients, a real case study in Iran. IISE Transactions on Healthcare Systems Engineering, 0, , 1-17.	1.7	7
158	A preemptive discrete-time priority buffer system with partial buffer sharing. Applied Mathematical Modelling, 2010, 34, 2148-2165.	4.2	6
159	A hybrid algorithm to solve the problem of re-entrant manufacturing system scheduling. CIRP Journal of Manufacturing Science and Technology, 2010, 3, 268-278.	4.5	6
160	Economic lot scheduling problem with consideration of money time value. International Journal of Industrial Engineering Computations, 2010, 1, 121-138.	0.7	6
161	Determining significant parameters in the design of ANFIS. , 2011, , .		6
162	A Pareto approach for the multi-factory supply chain scheduling and distribution problem. Operational Research, 2021, 21, 2333-2364.	2.0	6

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163	A dynamic dispatching problem to allocate relief vehicles after a disaster. Engineering Optimization, 2021, 53, 1999-2016.	2.6	6
164	Two heuristic methods based on decomposition to the integrated multi-agent supply chain scheduling and distribution problem. Optimization Methods and Software, 2022, 37, 150-174.	2.4	6
165	Bi-objective collaborative electric vehicle routing problem: mathematical modeling and matheuristic approach. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 10277-10297.	4.9	6
166	A G/M/C//M queueing model for revenue management of shovel-truck systems in an open-pit mine considering carbon emission, a case study. International Journal of Management Science and Engineering Management, 2023, 18, 88-103.	3.1	6
167	Selecting an Appropriate Configuration in a Construction Project Using a Hybrid Multiple Attribute Decision Making and Failure Analysis Methods. Buildings, 2022, 12, 643.	3.1	6
168	A model for classification of intermediate measures and evaluating the performance of chain and its members. International Journal of Operational Research, 2013, 17, 199.	0.2	5
169	An Evaluative Continuous Time Markov Chain Model for a Three Echelon Supply Chain with Stochastic Demand and Lead Time. IFAC-PapersOnLine, 2015, 48, 248-253.	0.9	5
170	A multi-objective fuzzy queueing priority assignment model. Applied Mathematical Modelling, 2016, 40, 9500-9513.	4.2	5
171	Formulating and solving the integrated online order batching and delivery planning with specific due dates for orders. Journal of Intelligent and Fuzzy Systems, 2021, 40, 4877-4903.	1.4	5
172	Second-generation biofuel development in iran: current state and future directions. Energy Sources, Part B: Economics, Planning and Policy, 2021, 16, 258-278.	3.4	5
173	A Genetic Algorithm for Makespan Minimization in a No-wait Flow Shop Problem with Two Batching Machines. , 2009, , .		4
174	A Hybrid Cellular Genetic Algorithm for Multi-objective Crew Scheduling Problem. Lecture Notes in Computer Science, 2010, , 359-367.	1.3	4
175	A hybrid ranking approach based on fuzzy analytical hierarchy process and data envelopment analysis: Road maintenance and transport organization of Iran. Journal of Intelligent and Fuzzy Systems, 2018, 34, 2373-2383.	1.4	4
176	A multi-objective stochastic programming model for post-disaster management. Transportmetrica A: Transport Science, 2022, 18, 1103-1126.	2.0	4
177	Application of fuzzy group analytic hierarchy process in partner selection of international joint venture projects. Scientia Iranica, 2016, 23, 2959-2976.	0.4	4
178	Factor identification for insurance pricing mechanism using data mining and multi criteria decision making. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	4
179	Designing a humanitarian relief network considering governmental and non-governmental operations under uncertainty. International Journal of Systems Assurance Engineering and Management, 0, , 1.	2.4	4
180	A new multi-objective model for supplier selection. International Journal of Services and Operations Management, 2015, 20, 43.	0.2	3

#	ARTICLE	IF	CITATIONS
181	Quantifying the Resilience of Cloud-Based Manufacturing Composite Services. International Journal of Cloud Applications and Computing, 2018, 8, 88-117.	2.0	3
182	Postdisaster Relief Distribution Network Design Under Disruption Risk: A Tour Covering Location-Routing Approach. , 2018, , 393-406.		3
183	Integrated Forward-reverse Logistics Network Design under Uncertainty and Reliability Consideration. Scientia Iranica, 2016, 23, 721-735.	0.4	3
184	A robust optimization approach for an inventory problem with emergency ordering and product substitution in an uncertain environment: A case study in pharmaceutical industry. Scientia Iranica, 2017, 24, 1533-1546.	0.4	3
185	Statistical analysis of blood characteristics of COVID-19 patients and their survival or death prediction using machine learning algorithms. Neural Computing and Applications, 2022, 34, 14729-14743.	5.6	3
186	Supply Chain Network Design in Uncertain Environment. Advances in Data Mining and Database Management Book Series, 2018, , 262-282.	0.5	2
187	Model and optimization of the multi-objective single-buyer multi-vendor integrated inventory problem with multiple quantity discounts. Scientia Iranica, 2017, 24, 856-867.	0.4	2
188	Optimising a mathematical model for a multi-sized public bicycle sharing system considering built-in control centres under fuzzy demand, a case study. International Journal of Systems Science: Operations and Logistics, 2023, 10, .	3.0	2
189	Designing a Humanitarian Supply Chain for Pre and Post Disaster Planning with Transshipment and Considering Perishability of Products. Lecture Notes in Networks and Systems, 2022, , 601-612.	0.7	2
190	A New Model for Classifying Inputs and Outputs and Evaluating the DMUs Efficiency in DEA Based on Cobb-Douglas Production Function. , 2009, , .		1
191	A New DEA Model for Classification Intermediate Measures and Evaluating Supply Chain and its Members. , 2009, , .		1
192	A memetic algorithm for minimizing the total weighted completion time on a single machine under linear deterioration. Applied Mathematical Modelling, 2010, 34, 2910-2925.	4.2	1
193	A multiproduct dynamic model to design a convergeâ€“diverge supply network with supplier partnership considerations. Scientia Iranica, 2012, 19, 1911-1920.	0.4	1
194	Positioning pushâ€“pull boundary in a hesitant fuzzy environment. Expert Systems, 2021, 38, e12616.	4.5	1
195	A heuristic substitutions policy to control inventories for a hybrid manufacturing/remanufacturing system with product substitutions between three markets considering customersâ€™ behavior and remanufacturing limitations. Journal of Cleaner Production, 2021, 314, 127871.	9.3	1
196	Robust optimisation to design a dynamic cellular manufacturing system integrating group layout and workers' assignment. European Journal of Industrial Engineering, 2021, 15, 319.	0.8	1
197	A modified imperialist competitive algorithm for a two-agent single-machine scheduling under periodic maintenance consideration. International Journal of Operational Research, 2018, 32, 127.	0.2	1
198	One-for-one period policy and its optimal solution over a finite horizon. International Journal of Operational Research, 2019, 35, 378.	0.2	1

#	ARTICLE	IF	CITATIONS
199	Designing collaborative roles and responsibilities in supply chain. International Journal of Management Practice, 2008, 3, 96.	0.3	0
200	Designing a Genetic Algorithm to Solve an Integrated Model in Supply Chain Management Using Fuzzy Goal Programming Approach. International Federation for Information Processing, 2010, , 168-176.	0.4	0
201	A new approach in supply chain modeling. , 2011, , .		0
202	Developing a New Algorithm for Finding the Local Minimums of the Multi-Echelon Inventory Control Systems with Random Parameters. Procedia Economics and Finance, 2016, 36, 256-265.	0.6	0
203	Active fuzzy modeling for estimating problems in hydrocarbon reservoirs. Neural Computing and Applications, 2016, 27, 1981-1992.	5.6	0
204	A new approach in supply chain modeling. , 2011, , .		0
205	Bi-objective Build-to-order Supply Chain Problem with Customer Utility. International Journal of Engineering, Transactions A: Basics, 2018, 31, .	0.4	0
206	Location-Pricing Problem in the Closed-Loop Supply Chain Network Design Under Uncertainty. Studies in Computational Intelligence, 2019, , 360-371.	0.9	0
207	A satisfactory multi-agent single-machine considering a cross-docking terminal. International Journal of System of Systems Engineering, 2019, 9, 307.	0.5	0
208	Optimising emergency medical centres location with a response-time-decreasing approach using hybrid methods of optimisation and simulation. International Journal of Services and Operations Management, 2020, 36, 72.	0.2	0