Fariborz Jolai

List of Publications by Citations

195 papers	4,678 citations	40 h-index	58 g-index
208 ext. papers	5,485 ext. citations	4.2 avg, IF	6.29 L-index

#	Paper	IF	Citations
195	Lion Optimization Algorithm (LOA): A nature-inspired metaheuristic algorithm. *Journal of Computational Design and Engineering*, **2016**, 3, 24-36	4.6	253
194	Mathematical modeling and heuristic approaches to flexible job shop scheduling problems. *Journal of Intelligent Manufacturing*, **2007**, 18, 331-342	6.7	206
193	A stochastic optimization model for integrated forward/reverse logistics network design. *Journal of Manufacturing Systems*, **2009**, 28, 107-114	9.1	200
192	Robust and reliable forward–reverse logistics network design under demand uncertainty and facility disruptions. *Applied Mathematical Modelling*, **2014**, 38, 2630-2647	4.5	133
191	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	9.3	118
190	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	85
189	Optimal investment and unit sizing of distributed energy systems under uncertainty: A robust optimization approach. *Energy and Buildings*, **2014**, 85, 275-286	7	77
188	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	4.5	71
187	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	7.8	69
186	An M/M/c queue model for hub covering location problem. *Mathematical and Computer Modelling*, **2011**, 54, 2623-2638		68
185	A multi-objective scatter search for a mixed-model assembly line sequencing problem. *Advanced Engineering Informatics*, **2007**, 21, 85-99	7.4	68
184	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	6.4	66
183	Integrated multi-site production-distribution planning in supply chain by hybrid modelling. *International Journal of Production Research*, **2010**, 48, 4043-4069	7.8	64
182	A hybrid method for solving stochastic job shop scheduling problems. *Applied Mathematics and Computation*, **2005**, 170, 185-206	2.7	64
181	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	62
180	Prepositioning emergency earthquake response supplies: A new multi-objective particle swarm optimization algorithm. *Applied Mathematical Modelling*, **2016**, 40, 5183-5199	4.5	57
179	A Fuzzy Stochastic Multi-Attribute Group Decision-Making Approach for Selection Problems. *Group Decision and Negotiation*, **2013**, 22, 207-233	2.5	57

178	Flexible job shop scheduling with overlapping in operations. *Applied Mathematical Modelling*, **2009**, 33, 3076-3087	4.5	57
177	Integrated production–distribution planning in two-echelon systems: a resilience view. *International Journal of Production Research*, **2017**, 55, 1040-1064	7.8	55
176	Revisiting a fuzzy rough economic order quantity model for deteriorating items considering quantity discount and prepayment. *Mathematical and Computer Modelling*, **2013**, 57, 1466-1479		55
175	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	55
174	A green closed loop supply chain design using queuing system for reducing environmental impact and energy consumption. *Journal of Cleaner Production*, **2020**, 242, 118452	10.3	55
173	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	10.3	54
172	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	7.8	51
171	A branch and bound algorithm for hybrid flow shop scheduling problem with setup time and assembly operations. *Applied Mathematical Modelling*, **2014**, 38, 119-134	4.5	50
170	Minimizing number of tardy jobs on a batch processing machine with incompatible job families. *European Journal of Operational Research*, **2005**, 162, 184-190	5.6	50
169	An enhanced possibilistic programming approach for reliable closed-loop supply chain network design. *International Journal of Production Research*, **2016**, 54, 1358-1387	7.8	49
168	Efficient stochastic hybrid heuristics for the multi-depot vehicle routing problem. *Robotics and Computer-Integrated Manufacturing*, **2010**, 26, 564-569	9.2	49
167	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	3.2	48
166	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	48
165	Two-stage assembly flow-shop scheduling problem with non-identical assembly machines considering setup times. *International Journal of Production Research*, **2013**, 51, 3625-3642	7.8	47
164	An effective hybrid multi-objective genetic algorithm for bi-criteria scheduling on a single batch processing machine with non-identical job sizes. *Engineering Applications of Artificial Intelligence*, **2010**, 23, 911-922	7.2	46
163	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	7.8	44
162	Reliable design of a logistics network under uncertainty: A fuzzy possibilistic-queuing model. *Applied Mathematical Modelling*, **2013**, 37, 3254-3268	4.5	44
161	An economic production lot size model with deteriorating items, stock-dependent demand, inflation, and partial backlogging. *Applied Mathematics and Computation*, **2006**, 181, 380-389	2.7	44

160	A hybrid imperialist competitive algorithm for minimizing makespan in a multi-processor open shop. *Applied Mathematical Modelling*, **2013**, 37, 9603-9616	4.5	43
159	A new heuristic for resource-constrained project scheduling in stochastic networks using critical chain concept. *European Journal of Operational Research*, **2007**, 176, 794-808	5.6	43
158	Optimizing the sum of maximum earliness and tardiness of the job shop scheduling problem. *Computers and Industrial Engineering*, **2017**, 107, 12-24	6.4	40
157	An Electromagnetism-like algorithm for cell formation and layout problem. *Expert Systems With Applications*, **2012**, 39, 2172-2182	7.8	40
156	An inventory model for imperfect items under inflationary conditions with considering inspection errors. *Computers and Mathematics With Applications*, **2012**, 63, 1007-1019	2.7	40
155	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	4.5	39
154	A possibilistic programming approach for the location problem of multiple cross-docks and vehicle routing scheduling under uncertainty. *Engineering Optimization*, **2013**, 45, 1223-1249	2	39
153	A green vehicle routing problem with customer satisfaction criteria. *Journal of Industrial Engineering International*, **2016**, 12, 529-544	2.6	38
152	Bi-criteria assembly line balancing by considering flexible operation times. *Applied Mathematical Modelling*, **2011**, 35, 5592-5608	4.5	37
151	A new decision-making structure for the order entry stage in make-to-order environments. *International Journal of Production Economics*, **2008**, 111, 351-367	9.3	37
150	An interactive possibilistic programming approach for a multi-objective hub location problem: Economic and environmental design. *Applied Soft Computing Journal*, **2017**, 52, 699-713	7.5	36
149	Optimal methods for batch processing problem with makespan and maximum lateness objectives. *Applied Mathematical Modelling*, **2010**, 34, 314-324	4.5	35
148	A fuzzy goal programming and meta heuristic algorithms for solving integrated production: distribution planning problem. *Central European Journal of Operations Research*, **2011**, 19, 547-569	2.2	34
147	A credibility-constrained programming for reliable forward□everse logistics network design under uncertainty and facility disruptions. *International Journal of Computer Integrated Manufacturing*, **2015**, 28, 664-678	4.3	33
146	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	7.5	33
145	Application of particle swarm optimization and simulated annealing algorithms in flow shop scheduling problem under linear deterioration. *Advances in Engineering Software*, **2012**, 47, 1-6	3.6	33
144	Integrating data transformation techniques with Hopfield neural networks for solving travelling salesman problem. *Expert Systems With Applications*, **2010**, 37, 5331-5335	7.8	33
143	Mixed-model assembly line balancing in the make-to-order and stochastic environment using multi-objective evolutionary algorithms. *Expert Systems With Applications*, **2012**, 39, 12026-12031	7.8	31

142	Hierarchical production planning and scheduling in make-to-order environments: reaching short and reliable delivery dates. *International Journal of Production Research*, **2009**, 47, 5761-5789	7.8	30
141	A simulation optimisation approach for real-time scheduling in an open shop environment using a composite dispatching rule. *International Journal of Computer Integrated Manufacturing*, **2017**, 30, 1239-1252	4.3	28
140	Capacity planning and reconfiguration for disaster-resilient health infrastructure. *Journal of Building Engineering*, **2019**, 26, 100853	5.2	28
139	A two-stage hybrid flowshop scheduling problem in machine breakdown condition. *Journal of Intelligent Manufacturing*, **2013**, 24, 193-199	6.7	28
138	A single-machine scheduling problem with multiple unavailability constraints: A mathematical model and an enhanced variable neighborhood search approach. *Journal of Computational Design and Engineering*, **2017**, 4, 46-59	4.6	28
137	Optimal design of distributed energy system in a neighborhood under uncertainty. *Energy*, **2016**, 116, 567-582	7.9	27
136	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	7.5	26
135	Analyzing pricing, promised delivery lead time, supplier-selection, and ordering decisions of a multi-national supply chain under uncertain environment. *International Journal of Production Economics*, **2019**, 209, 236-248	9.3	26
134	An integrated weighted fuzzy multi-objective model for supplier selection and order scheduling in a supply chain. *International Journal of Production Research*, **2018**, 56, 3590-3614	7.8	26
133	No-wait flexible flowshop with uniform parallel machines and sequence-dependent setup time: a hybrid meta-heuristic approach. *Journal of Intelligent Manufacturing*, **2015**, 26, 731-744	6.7	25
132	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	7.5	25
131	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	6.4	25
130	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	9.1	24
129	A mathematical model and extension algorithm for assembly flexible flow shop scheduling problem. *International Journal of Advanced Manufacturing Technology*, **2013**, 65, 787-802	3.2	24
128	A method to compare supply chains of an industry. *Supply Chain Management*, **2011**, 16, 82-97	10	24
127	A genetic algorithm for solving no-wait flexible flow lines with due window and job rejection. *International Journal of Advanced Manufacturing Technology*, **2009**, 42, 523-532	3.2	24
126	No-wait flow shop scheduling using fuzzy multi-objective linear programming. *Journal of the Franklin Institute*, **2008**, 345, 452-467	4	24
125	A new stochastic approach for a reliable p -hub covering location problem. *Computers and Industrial Engineering*, **2015**, 90, 371-380	6.4	23

124	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	4.3	23
123	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	4.3	23
122	Flexibility in service parts supply chain: a study on emergency resupply in aviation MRO. *International Journal of Production Research*, **2018**, 56, 3547-3562	7.8	23
121	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	4.6	21
120	Comparison of different input selection algorithms in neuro-fuzzy modeling. *Expert Systems With Applications*, **2012**, 39, 1536-1544	7.8	21
119	Order acceptance/rejection policies in determining the sequence in mixed model assembly lines. *Applied Mathematical Modelling*, **2013**, 37, 2531-2551	4.5	21
118	Integrating sequence-dependent group scheduling problem and preventive maintenance in flexible flow shops. *International Journal of Advanced Manufacturing Technology*, **2015**, 77, 173-185	3.2	20
117	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	9.1	19
116	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	4.3	19
115	Two-stage flow-shop scheduling problem with non-identical second stage assembly machines. *International Journal of Advanced Manufacturing Technology*, **2013**, 69, 2215-2226	3.2	19
114	An integrated approach for the cell formation and layout design in cellular manufacturing systems. *International Journal of Production Research*, **2013**, 51, 6017-6044	7.8	19
113	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	1.9	18
112	Minimizing makespan on a three-machine flowshop batch scheduling problem with transportation using genetic algorithm. *Applied Soft Computing Journal*, **2012**, 12, 768-777	7.5	18
111	Genetic algorithm for bi-criteria single machine scheduling problem of minimizing maximum earliness and number of tardy jobs. *Applied Mathematics and Computation*, **2007**, 194, 552-560	2.7	18
110	A memetic algorithm for minimizing the total weighted completion time on a single machine under step-deterioration. *Advances in Engineering Software*, **2009**, 40, 1074-1077	3.6	17
109	A modified imperialist competitive algorithm for a two-agent single-machine scheduling under periodic maintenance consideration. *International Journal of Operational Research*, **2018**, 32, 127	0.9	17
108	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. *International Journal of Computer Integrated Manufacturing*, **2017**, 30, 552-563	4.3	16
107	An integrated fuzzy DEA-fuzzy AHP approach: a new model for ranking decision-making units. *International Journal of Operational Research*, **2013**, 17, 38	0.9	15

106	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	6.4	15
105	A variable neighborhood binary particle swarm algorithm for cell layout problem. *International Journal of Advanced Manufacturing Technology*, **2011**, 55, 327-339	3.2	15
104	Permutation flowshops with transportation times: mathematical models and solution methods. *International Journal of Advanced Manufacturing Technology*, **2010**, 46, 631-647	3.2	15
103	Bioethanol supply chain network design considering land characteristics. *Renewable and Sustainable Energy Reviews*, **2020**, 119, 109517	16.2	15
102	Two-machine flow shop total tardiness scheduling problem with deteriorating jobs. *Applied Mathematical Modelling*, **2012**, 36, 5418-5426	4.5	14
101	A multi-objective Environmental Hedging Point Policy with customer satisfaction criteria. *Journal of Cleaner Production*, **2018**, 179, 478-494	10.3	13
100	Realistic two-stage flowshop batch scheduling problems with transportation capacity and times. *Applied Mathematical Modelling*, **2012**, 36, 723-735	4.5	13
99	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	4.5	13
98	Solving a bi-objective cell formation problem with stochastic production quantities by a two-phase fuzzy linear programming approach. *International Journal of Advanced Manufacturing Technology*, **2012**, 58, 709-722	3.2	12
97	A new IPSO-SA approach for cardinality constrained portfolio optimization. *International Journal of Industrial Engineering Computations*, **2011**, 2, 249-262	1.7	12
96	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	0.9	12
95	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	1.7	11
94	Cyclic scheduling of a robotic flexible cell with load lock and swap. *Journal of Intelligent Manufacturing*, **2012**, 23, 1885-1891	6.7	11
93	Two fuzzy possibilistic bi-objective zero-one programming models for outsourcing the equipment maintenance problem. *Engineering Optimization*, **2012**, 44, 801-820	2	11
92	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	1.6	11
91	An adaptive neuro-fuzzy system for stock portfolio analysis. *International Journal of Intelligent Systems*, **2011**, 26, 99-114	8.4	11
90	Multi-criteria decision making for assembly line balancing. *Journal of Intelligent Manufacturing*, **2009**, 20, 113-121	6.7	11
89	Exact algorithm for bi-objective 0-1 knapsack problem. *Applied Mathematics and Computation*, **2007**, 194, 544-551	2.7	11

88	A multi-commodity network flow model for railway capacity optimization in case of line blockage. *International Journal of Rail Transportation*, **2019**, 7, 297-320	2.1	10
87	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	1.7	10
86	Pre-positioning and dynamic operations planning in pre- and post-disaster phases with lateral transhipment under uncertainty and disruption. *Journal of Industrial Engineering International*, **2019**, 15, 53-68	2.6	10
85	A hybrid electromagnetism-like algorithm for dynamic inter/intra-cell layout problem. *International Journal of Computer Integrated Manufacturing*, **2014**, 27, 501-518	4.3	10
84	Flow shop scheduling with two batch processing machines and nonidentical job sizes. *International Journal of Advanced Manufacturing Technology*, **2009**, 45, 553-572	3.2	10
83	Two robust meta-heuristics for scheduling multiple job classes on a single machine with multiple criteria. *Expert Systems With Applications*, **2010**, 37, 5951-5959	7.8	10
82	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	2.2	10
81	A fuzzy robust stochastic mathematical programming approach for multi-objective scheduling of the surgical cases. *Opsearch*, **2019**, 56, 890-910	1.6	9
80	A hybrid memetic algorithm for maximizing the weighted number of just-in-time jobs on unrelated parallel machines. *Journal of Intelligent Manufacturing*, **2011**, 22, 247-261	6.7	9
79	Hybrid Electromagnetism-Like Algorithm for the Flowshop Scheduling with Sequence-Dependent Setup Times. *Journal of Applied Sciences*, **2008**, 8, 3621-3629	0.3	9
78	A simulation–optimization model for solving flexible flow shop scheduling problems with rework and transportation. *Mathematics and Computers in Simulation*, **2021**, 180, 152-178	3.3	9
77	Reliable forward-reverse logistics network design under partial and complete facility disruptions. *International Journal of Logistics Systems and Management*, **2015**, 20, 370	0.7	8
76	Simulated annealing and imperialist competitive algorithm for minimising makespan in an open shop. *International Journal of Operational Research*, **2013**, 17, 275	0.9	8
75	Multi-objective model for multi-period, multi-products, supplier order allocation under linear discount. *International Journal of Management Science and Engineering Management*, **2013**, 8, 24-31	2.8	8
74	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	2.6	7
73	Developing scenario-based robust optimisation approaches for the reverse logistics network design problem under uncertain environments. *International Journal of Services and Operations Management*, **2015**, 20, 418	0.4	7
72	A fuzzy based threshold policy for a single server retrial queue with vacations. *Central European Journal of Operations Research*, **2012**, 20, 281-297	2.2	7
71	Bi-product inventory planning in a three-echelon supply chain with backordering, Poisson demand, and limited warehouse space. *Journal of Industrial Engineering International*, **2013**, 9, 1	2.6	7

70	Off-Site Construction Three-Echelon Supply Chain Management with Stochastic Constraints: A Modelling Approach. *Buildings*, **2022**, 12, 119	3.2	7
69	A robust fuzzy stochastic model for the responsive-resilient inventory-location problem: comparison of metaheuristic algorithms. *Annals of Operations Research*,1	3.2	7
68	Designing a sustainable humanitarian relief logistics model in pre- and postdisaster management. *International Journal of Sustainable Transportation*, **2021**, 15, 604-620	3.6	7
67	Green supply chain management through call option contract and revenue-sharing contract to cope with demand uncertainty. *Cleaner Logistics and Supply Chain*, **2021**, 2, 100010		7
66	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.. *Environmental Science and Pollution Research*, **2022**,	5.1	7
65	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	3.2	6
64	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	6
63	Some heuristics for the hybrid flow shop scheduling problem with setup and assembly operations. *International Journal of Industrial Engineering Computations*, **2013**, 4, 393-416	1.7	6
62	Determining significant parameters in the design of ANFIS **2011**,		6
61	Heuristics for minimizing total completion time and maximum lateness on identical parallel machines with setup times. *Journal of Intelligent Manufacturing*, **2010**, 21, 439-449	6.7	6
60	Evaluating supply chain flexibility under demand uncertainty with smoothing approach and VMI considerations. *Journal of Industrial and Production Engineering*, **2018**, 35, 486-505	1	6
59	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. *Journal of Humanitarian Logistics and Supply Chain Management*, **2021**, ahead-of-print,	2.4	6
58	A novel approach to determine a tactical and operational decision for dynamic appointment scheduling at nuclear medical center. *Computers and Operations Research*, **2017**, 78, 267-277	4.6	5
57	A model for classification of intermediate measures and evaluating the performance of chain and its members. *International Journal of Operational Research*, **2013**, 17, 199	0.9	5
56	Economic lot scheduling problem with consideration of money time value. *International Journal of Industrial Engineering Computations*, **2010**, 1, 121-138	1.7	5
55	A preemptive discrete-time priority buffer system with partial buffer sharing. *Applied Mathematical Modelling*, **2010**, 34, 2148-2165	4.5	5
54	A green multi-facilities open location-routing problem with planar facility locations and uncertain customer. *Journal of Cleaner Production*, **2021**, 282, 124343	10.3	5
53	Simulation optimization of operator allocation problem with learning effects and server breakdown under uncertainty. *Production and Manufacturing Research*, **2018**, 6, 396-415	3.3	5

52	Two heuristic methods based on decomposition to the integrated multi-agent supply chain scheduling and distribution problem. *Optimization Methods and Software*, **2020**, 1-25	1.3	4
51	A Hybrid Cellular Genetic Algorithm for Multi-objective Crew Scheduling Problem. *Lecture Notes in Computer Science*, **2010**, 359-367	0.9	4
50	Prioritizing Post-Disaster Reconstruction Projects Using an Integrated Multi-Criteria Decision-Making Approach: A Case Study. *Buildings*, **2022**, 12, 136	3.2	4
49	A multi-objective fuzzy queuing priority assignment model. *Applied Mathematical Modelling*, **2016**, 40, 9500-9513	4.5	4
48	A novel vehicle routing problem for vaccine distribution using SIR epidemic model. *OR Spectrum*, **2021**, 43, 155-188	1.9	4
47	A bi-objective manufacturing/remanufacturing system considering downward substitutions between three markets. *Journal of Manufacturing Systems*, **2021**, 58, 75-92	9.1	4
46	A dynamic dispatching problem to allocate relief vehicles after a disaster. *Engineering Optimization*, **2020**, 1-18	2	3
45	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	1.6	3
44	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	0.7	3
43	A Genetic Algorithm for Makespan Minimization in a No-wait Flow Shop Problem with Two Batching Machines **2009**,		3
42	A hybrid algorithm to solve the problem of re-entrant manufacturing system scheduling. *CIRP Journal of Manufacturing Science and Technology*, **2010**, 3, 268-278	3.4	3
41	A latency-aware task scheduling algorithm for allocating virtual machines in a cost-effective and time-sensitive fog-cloud architecture. *Journal of Supercomputing*,1	2.5	3
40	A Pareto approach for the multi-factory supply chain scheduling and distribution problem. *Operational Research*, **2019**, 1	1.6	3
39	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	4.9	3
38	Postdisaster Relief Distribution Network Design Under Disruption Risk: A Tour Covering Location-Routing Approach **2018**, 393-406		3
37	A branch and price approach to the two-agent integrated production and distribution scheduling. *Computers and Industrial Engineering*, **2019**, 136, 504-515	6.4	2
36	Factor identification for insurance pricing mechanism using data mining and multi criteria decision making. *Journal of Ambient Intelligence and Humanized Computing*,1	3.7	2
35	A Stochastic Multi-Objective Model for a Sustainable Closed-Loop Supply Chain Network Design in the Automotive Industry. *Process Integration and Optimization for Sustainability*,1	2	2

34	Integrated Forward-reverse Logistics Network Design under Uncertainty and Reliability Consideration. *Scientia Iranica*, **2016**, 23, 721-735	1.5	2
33	Application of fuzzy group analytic hierarchy process in partner selection of international joint venture projects. *Scientia Iranica*, **2016**, 23, 2959-2976	1.5	2
32	Supply Chain Network Design in Uncertain Environment. *Advances in Data Mining and Database Management Book Series*, **2018**, 262-282	0.6	2
31	An ERNSGA-III algorithm for the production and distribution planning problem in the multiagent supply chain. *International Transactions in Operational Research*, **2021**, 28, 2139-2168	2.9	2
30	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	3.1	2
29	A novel humanitarian and private sector relief chain network design model for disaster response. *International Journal of Disaster Risk Reduction*, **2021**, 65, 102522	4.5	2
28	Second-generation biofuel development in iran: current state and future directions. *Energy Sources, Part B: Economics, Planning and Policy*, **2021**, 16, 258-278	3.1	2
27	A new multi-objective model for supplier selection. *International Journal of Services and Operations Management*, **2015**, 20, 43	0.4	1
26	A multiproduct dynamic model to design a converge□iverge supply network with supplier partnership considerations. *Scientia Iranica*, **2012**, 19, 1911-1920	1.5	1
25	A memetic algorithm for minimizing the total weighted completion time on a single machine under linear deterioration. *Applied Mathematical Modelling*, **2010**, 34, 2910-2925	4.5	1
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23	Prioritizing and queueing the emergency departments' patients using a novel data-driven decision-making methodology, a real case study.. *Expert Systems With Applications*, **2022**, 195, 116568	7.8	1
22	Green product design in a supply chain with considering marketing under competition and coordination. *Environment, Development and Sustainability*,1	4.5	1
21	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*,1	2	1
20	Meta-Health Stack: A new approach for breast cancer prediction. *Healthcare Analytics*, **2022**, 2, 100010		1
19	An inventory system with coordination among manufacturers and retailers under buyback contract, vertical integration, retailer□ effort and carbon footprint constraint. *International Journal of Sustainable Engineering*,1-21	3.1	1
18	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	1.6	1
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