

Amir M Fathollahi-Fard

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

2,140

citations

27

h-index

44

g-index

78

ext. papers

3,182

ext. citations

5.5

avg, IF

6.51

L-index

#	Paper	IF	Citations
68	Sustainable tire closed-loop supply chain network design: Hybrid metaheuristic algorithms for large-scale networks. <i>Journal of Cleaner Production</i> , 2018 , 196, 273-296	10.3	131
67	The Social Engineering Optimizer (SEO). <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 72, 267-293	7.5	126
66	Red deer algorithm (RDA): a new nature-inspired meta-heuristic. <i>Soft Computing</i> , 2020 , 24, 14637-14665	3.5	120
65	Stochastic multi-objective modelling and optimization of an energy-conscious distributed permutation flow shop scheduling problem with the total tardiness constraint. <i>Journal of Cleaner Production</i> , 2019 , 226, 515-525	10.3	97
64	A green home health care supply chain: New modified simulated annealing algorithms. <i>Journal of Cleaner Production</i> , 2019 , 240, 118200	10.3	83
63	A bi-objective green home health care routing problem. <i>Journal of Cleaner Production</i> , 2018 , 200, 423-443	10.3	80
62	Multi-objective stochastic closed-loop supply chain network design with social considerations. <i>Applied Soft Computing Journal</i> , 2018 , 71, 505-525	7.5	80
61	An adaptive Lagrangian relaxation-based algorithm for a coordinated water supply and wastewater collection network design problem. <i>Information Sciences</i> , 2020 , 512, 1335-1359	7.7	76
60	Sustainable closed-loop supply chain network for an integrated water supply and wastewater collection system under uncertainty. <i>Journal of Environmental Management</i> , 2020 , 275, 111277	7.9	75
59	A bi-objective home healthcare routing and scheduling problem considering patients' satisfaction in a fuzzy environment. <i>Applied Soft Computing Journal</i> , 2020 , 93, 106385	7.5	72
58	A stochastic multi-objective model for a closed-loop supply chain with environmental considerations. <i>Applied Soft Computing Journal</i> , 2018 , 69, 232-249	7.5	72
57	Sustainable closed-loop supply chain network design with discount supposition. <i>Neural Computing and Applications</i> , 2019 , 31, 5343-5377	4.8	69
56	A tri-level location-allocation model for forward/reverse supply chain. <i>Applied Soft Computing Journal</i> , 2018 , 62, 328-346	7.5	57
55	A set of efficient heuristics and metaheuristics to solve a two-stage stochastic bi-level decision-making model for the distribution network problem. <i>Computers and Industrial Engineering</i> , 2018 , 123, 378-395	6.4	56
54	Hybrid optimizers to solve a tri-level programming model for a tire closed-loop supply chain network design problem. <i>Applied Soft Computing Journal</i> , 2018 , 70, 701-722	7.5	53
53	Novel modifications of social engineering optimizer to solve a truck scheduling problem in a cross-docking system. <i>Computers and Industrial Engineering</i> , 2019 , 137, 106103	6.4	47
52	An integrated optimization method for tactical-level planning in liner shipping with heterogeneous ship fleet and environmental considerations. <i>Advanced Engineering Informatics</i> , 2021 , 48, 101299	7.4	43

51	A bi-objective partial interdiction problem considering different defensive systems with capacity expansion of facilities under imminent attacks. <i>Applied Soft Computing Journal</i> , 2018 , 68, 343-359	7.5	42
50	A multi-objective supplier selection and order allocation through incremental discount in a fuzzy environment. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 37, 1435-1455	1.6	40
49	Evaluation of ship's green degree using a novel hybrid approach combining group fuzzy entropy and cloud technique for the order of preference by similarity to the ideal solution theory. <i>Clean Technologies and Environmental Policy</i> , 2020 , 22, 493-512	4.3	40
48	A set of efficient heuristics for a home healthcare problem. <i>Neural Computing and Applications</i> , 2020 , 32, 6185-6205	4.8	40
47	Heuristic-based metaheuristics to address a sustainable supply chain network design problem. <i>Journal of Industrial and Production Engineering</i> , 2018 , 35, 102-117	1	39
46	Blockchain in supply chain management: a review, bibliometric, and network analysis. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	39
45	Truck scheduling optimization at a cold-chain cross-docking terminal with product perishability considerations. <i>Computers and Industrial Engineering</i> , 2021 , 156, 107240	6.4	30
44	A Novel Hybrid Fuzzy Grey TOPSIS Method: Supplier Evaluation of a Collaborative Manufacturing Enterprise. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3770	2.6	29
43	Two hybrid meta-heuristic algorithms for a dual-channel closed-loop supply chain network design problem in the tire industry under uncertainty. <i>Advanced Engineering Informatics</i> , 2021 , 50, 101418	7.4	29
42	Implementation of solar energy in smart cities using an integration of artificial neural network, photovoltaic system and classical Delphi methods. <i>Sustainable Cities and Society</i> , 2021 , 74, 103149	10.1	28
41	Sustainable vehicle routing problem for coordinated solid waste management. <i>Journal of Industrial Information Integration</i> , 2021 , 23, 100220	7	24
40	Key technology and application analysis of quick coding for recovery of retired energy vehicle battery. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 135, 110129	16.2	22
39	A biobjective home health care logistics considering the working time and route balancing: a self-adaptive social engineering optimizer. <i>Journal of Computational Design and Engineering</i> , 2021 , 8, 452-474	4.6	21
38	Interval-Valued Intuitionistic Uncertain Linguistic Cloud Petri Net and Its Application to Risk Assessment for Subway Fire Accident. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-15	4.9	21
37	A hyper-hybrid fuzzy decision-making framework for the sustainable-resilient supplier selection problem: a case study of Malaysian Palm oil industry. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	21
36	Modelling of supply chain disruption analytics using an integrated approach: An emerging economy example. <i>Expert Systems With Applications</i> , 2021 , 173, 114690	7.8	20
35	A set of calibrated metaheuristics to address a closed-loop supply chain network design problem under uncertainty. <i>International Journal of Systems Science: Operations and Logistics</i> , 2021 , 8, 23-40	2.6	20
34	Sustainable distributed permutation flow-shop scheduling model based on a triple bottom line concept. <i>Journal of Industrial Information Integration</i> , 2021 , 24, 100233	7	20

33	Two Constructive Algorithms to Address a Multi-Depot Home Healthcare Routing Problem. <i>IETE Journal of Research</i> , 2019 , 1-7	0.9	19
32	Cadmium and copper heavy metal treatment from water resources by high-performance folic acid-graphene oxide nanocomposite adsorbent and evaluation of adsorptive mechanism using computational intelligence, isotherm, kinetic, and thermodynamic analyses. <i>Environmental Science and Pollution Research</i> , 2021 , 1-12	5.1	19
31	Scheme selection of design for disassembly (DFD) based on sustainability: A novel hybrid of interval 2-tuple linguistic intuitionistic fuzzy numbers and regret theory. <i>Journal of Cleaner Production</i> , 2021 , 281, 124724	10.3	19
30	Bi-level programming for home health care supply chain considering outsourcing. <i>Journal of Industrial Information Integration</i> , 2021 , 100246	7	17
29	Production scheduling of off-site prefabricated construction components considering sequence dependent due dates. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	17
28	A novel particle swarm optimization-based grey model for the prediction of warehouse performance. <i>Journal of Computational Design and Engineering</i> , 2021 , 8, 705-727	4.6	16
27	A scenario-based possibilistic-stochastic programming approach to address resilient humanitarian logistics considering travel time and resilience levels of facilities. <i>International Journal of Systems Science: Operations and Logistics</i> , 2020 , 1-27	2.6	15
26	An integrated approach for a sustainable supplier selection based on Industry 4.0 concept. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	15
25	Multi-Objective Optimization of Home Healthcare with Working-Time Balancing and Care Continuity. <i>Sustainability</i> , 2021 , 13, 12431	3.6	12
24	Disassembly Sequence Planning for Intelligent Manufacturing Using Social Engineering Optimizer. <i>Symmetry</i> , 2021 , 13, 663	2.7	12
23	Constructing a smart framework for supplying the biogas energy in green buildings using an integration of response surface methodology, artificial intelligence and petri net modelling. <i>Energy Conversion and Management</i> , 2021 , 248, 114794	10.6	10
22	A hybrid computational intelligence approach for bioremediation of amoxicillin based on fungus activities from soil resources and aflatoxin B1 controls. <i>Journal of Environmental Management</i> , 2021 , 299, 113594	7.9	10
21	Selecting Appropriate Risk Response Strategies Considering Utility Function and Budget Constraints: A Case Study of a Construction Company in Iran. <i>Buildings</i> , 2022 , 12, 98	3.2	8
20	Transformation and Linearization Techniques in Optimization: A State-of-the-Art Survey. <i>Mathematics</i> , 2022 , 10, 283	2.3	8
19	Supply chain disruption during the COVID-19 pandemic: Recognizing potential disruption management strategies.. <i>International Journal of Disaster Risk Reduction</i> , 2022 , 75, 102983	4.5	8
18	Preventive maintenance for the flexible flowshop scheduling under uncertainty: a waste-to-energy system. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	7
17	Statistical optimization, soft computing prediction, mechanistic and empirical evaluation for fundamental appraisal of copper, lead and malachite green adsorption. <i>Journal of Industrial Information Integration</i> , 2021 , 23, 100219	7	7
16	An Efficient Modified Red Deer Algorithm to Solve a Truck Scheduling Problem Considering Time Windows and Deadline for Trucks' Departure 2020 , 137-167		6

15	Sustainable and Robust Home Healthcare Logistics: A Response to the COVID-19 Pandemic. <i>Symmetry</i> , 2022 , 14, 193	2.7	6
14	Multi-objective robust-stochastic optimisation of relief goods distribution under uncertainty: a real-life case study. <i>International Journal of Systems Science: Operations and Logistics</i> , 1-22	2.6	5
13	The Drone Scheduling Problem: A Systematic State-of-the-Art Review. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-24	6.1	5
12	Mechanistic evaluation of cationic dyes adsorption onto low-cost calcinated aerated autoclaved concrete wastes. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	4
11	Sustainable closed-loop supply chain with energy efficiency: Lagrangian relaxation, reformulations and heuristics. <i>Annals of Operations Research</i> ,	3.2	4
10	Fuzzy data-driven scenario-based robust data envelopment analysis for prediction and optimisation of an electrical discharge machine parameters. <i>Expert Systems With Applications</i> , 2022 , 193, 116419	7.8	3
9	Addressing a Coordinated Quay Crane Scheduling and Assignment Problem by Red Deer Algorithm. <i>International Journal of Engineering Transactions B: Applications</i> , 2019 , 32,	1.5	3
8	A novel viewpoint to the green city concept based on vegetation area changes and contributions to healthy days: a case study of Mashhad, Iran. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	3
7	Capacitated multi-objective disassembly scheduling with fuzzy processing time via a fruit fly optimization algorithm.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	2
6	A multi-objective optimization framework for a sustainable closed-loop supply chain network in the olive industry: Hybrid meta-heuristic algorithms. <i>Expert Systems With Applications</i> , 2022 , 117566	7.8	2
5	A Robust Optimization for a Home Healthcare Routing and Scheduling Problem Considering Greenhouse Gas Emissions and Stochastic Travel and Service Times 2020 , 43-73		1
4	A Smart Post-Processing System for Forecasting the Climate Precipitation Based on Machine Learning Computations. <i>Sustainability</i> , 2022 , 14, 6624	3.6	1
3	A decision support system for coagulation and flocculation processes using the adaptive neuro-fuzzy inference system. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	0
2	Evaluation of traffic noise pollution using geographic information system and descriptive statistical method: a case study in Mashhad, Iran.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
1	An efficient design of primary sedimentation tanks using a combination of the response surface, metaheuristic, and scenario building methods. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	0