

# Amir M Fathollahi-Fard

## List of Publications by Year in Descending Order

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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	Selecting Appropriate Risk Response Strategies Considering Utility Function and Budget Constraints: A Case Study of a Construction Company in Iran. <i>Buildings</i> , <b>2022</b> , 12, 98	3.2	8
67	Capacitated multi-objective disassembly scheduling with fuzzy processing time via a fruit fly optimization algorithm.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	2
66	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> , <b>2022</b> , 1	5.1	0
65	Sustainable and Robust Home Healthcare Logistics: A Response to the COVID-19 Pandemic. <i>Symmetry</i> , <b>2022</b> , 14, 193	2.7	6
64	Transformation and Linearization Techniques in Optimization: A State-of-the-Art Survey. <i>Mathematics</i> , <b>2022</b> , 10, 283	2.3	8
63	Fuzzy data-driven scenario-based robust data envelopment analysis for prediction and optimisation of an electrical discharge machine's parameters. <i>Expert Systems With Applications</i> , <b>2022</b> , 193, 116419	7.8	3
62	The Drone Scheduling Problem: A Systematic State-of-the-Art Review. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-24	6.1	5
61	Supply chain disruption during the COVID-19 pandemic: Recognizing potential disruption management strategies.. <i>International Journal of Disaster Risk Reduction</i> , <b>2022</b> , 75, 102983	4.5	8
60	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> , <b>2022</b> , 117566	7.8	2
59	A Smart Post-Processing System for Forecasting the Climate Precipitation Based on Machine Learning Computations. <i>Sustainability</i> , <b>2022</b> , 14, 6624	3.6	1
58	Multi-Objective Optimization of Home Healthcare with Working-Time Balancing and Care Continuity. <i>Sustainability</i> , <b>2021</b> , 13, 12431	3.6	12
57	An integrated approach for a sustainable supplier selection based on Industry 4.0 concept. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	15
56	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> , <b>2021</b> , 50, 101418	7.4	29
55	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> , <b>2021</b> , 8, 452-474	4.6	21
54	An integrated optimization method for tactical-level planning in liner shipping with heterogeneous ship fleet and environmental considerations. <i>Advanced Engineering Informatics</i> , <b>2021</b> , 48, 101299	7.4	43
53	Disassembly Sequence Planning for Intelligent Manufacturing Using Social Engineering Optimizer. <i>Symmetry</i> , <b>2021</b> , 13, 663	2.7	12
52	Truck scheduling optimization at a cold-chain cross-docking terminal with product perishability considerations. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 156, 107240	6.4	30

51	Modelling of supply chain disruption analytics using an integrated approach: An emerging economy example. <i>Expert Systems With Applications</i> , <b>2021</b> , 173, 114690	7.8	20
50	Bi-level programming for home health care supply chain considering outsourcing. <i>Journal of Industrial Information Integration</i> , <b>2021</b> , 100246	7	17
49	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> , <b>2021</b> , 8, 23-40	2.6	20
48	Key technology and application analysis of quick coding for recovery of retired energy vehicle battery. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 135, 110129	16.2	22
47	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> , <b>2021</b> , 281, 124724	10.3	19
46	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> , <b>2021</b> , 1	5.1	21
45	Blockchain in supply chain management: a review, bibliometric, and network analysis. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	39
44	A novel particle swarm optimization-based grey model for the prediction of warehouse performance. <i>Journal of Computational Design and Engineering</i> , <b>2021</b> , 8, 705-727	4.6	16
43	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> , <b>2021</b> , 1	5.1	3
42	Production scheduling of off-site prefabricated construction components considering sequence dependent due dates. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	17
41	Sustainable vehicle routing problem for coordinated solid waste management. <i>Journal of Industrial Information Integration</i> , <b>2021</b> , 23, 100220	7	24
40	Preventive maintenance for the flexible flowshop scheduling under uncertainty: a waste-to-energy system. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	7
39	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> , <b>2021</b> , 23, 100219	7	7
38	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> , <b>2021</b> , 74, 103149	10.1	28
37	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> , <b>2021</b> , 248, 114794	10.6	10
36	Sustainable distributed permutation flow-shop scheduling model based on a triple bottom line concept. <i>Journal of Industrial Information Integration</i> , <b>2021</b> , 24, 100233	7	20
35	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> , <b>2021</b> , 299, 113594	7.9	10
34	A bi-objective home healthcare routing and scheduling problem considering patients' satisfaction in a fuzzy environment. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 93, 106385	7.5	72

33	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> , <b>2020</b> , 1-27	2.6	15
32	Red deer algorithm (RDA): a new nature-inspired meta-heuristic. <i>Soft Computing</i> , <b>2020</b> , 24, 14637-14665	3.5	120
31	An Efficient Modified Red Deer Algorithm to Solve a Truck Scheduling Problem Considering Time Windows and Deadline for Trucks' Departure <b>2020</b> , 137-167		6
30	A Robust Optimization for a Home Healthcare Routing and Scheduling Problem Considering Greenhouse Gas Emissions and Stochastic Travel and Service Times <b>2020</b> , 43-73		1
29	An adaptive Lagrangian relaxation-based algorithm for a coordinated water supply and wastewater collection network design problem. <i>Information Sciences</i> , <b>2020</b> , 512, 1335-1359	7.7	76
28	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> , <b>2020</b> , 22, 493-512	4.3	40
27	Sustainable closed-loop supply chain network for an integrated water supply and wastewater collection system under uncertainty. <i>Journal of Environmental Management</i> , <b>2020</b> , 275, 111277	7.9	75
26	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 Technology</i> , <b>2020</b> , 54, 11000-11011	5.1	19
25	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> , <b>2020</b> , 1-15	4.9	21
24	A set of efficient heuristics for a home healthcare problem. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 6185-6205	4.8	40
23	A Novel Hybrid Fuzzy Grey TOPSIS Method: Supplier Evaluation of a Collaborative Manufacturing Enterprise. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3770	2.6	29
22	Novel modifications of social engineering optimizer to solve a truck scheduling problem in a cross-docking system. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 137, 106103	6.4	47
21	A multi-objective supplier selection and order allocation through incremental discount in a fuzzy environment. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2019</b> , 37, 1435-1455	1.6	40
20	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> , <b>2019</b> , 226, 515-525	10.3	97
19	Two Constructive Algorithms to Address a Multi-Depot Home Healthcare Routing Problem. <i>IETE Journal of Research</i> , <b>2019</b> , 1-7	0.9	19
18	A green home health care supply chain: New modified simulated annealing algorithms. <i>Journal of Cleaner Production</i> , <b>2019</b> , 240, 118200	10.3	83
17	Addressing a Coordinated Quay Crane Scheduling and Assignment Problem by Red Deer Algorithm. <i>International Journal of Engineering Transactions B: Applications</i> , <b>2019</b> , 32,	1.5	3
16	Sustainable closed-loop supply chain network design with discount supposition. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 5343-5377	4.8	69

15	A bi-objective partial interdiction problem considering different defensive systems with capacity expansion of facilities under imminent attacks. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 68, 343-359	7.5	42
14	Heuristic-based metaheuristics to address a sustainable supply chain network design problem. <i>Journal of Industrial and Production Engineering</i> , <b>2018</b> , 35, 102-117	1	39
13	A stochastic multi-objective model for a closed-loop supply chain with environmental considerations. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 69, 232-249	7.5	72
12	A bi-objective green home health care routing problem. <i>Journal of Cleaner Production</i> , <b>2018</b> , 200, 423-443	10.3	80
11	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> , <b>2018</b> , 123, 378-395	6.4	56
10	Multi-objective stochastic closed-loop supply chain network design with social considerations. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 71, 505-525	7.5	80
9	The Social Engineering Optimizer (SEO). <i>Engineering Applications of Artificial Intelligence</i> , <b>2018</b> , 72, 267-293	7.3	126
8	Sustainable tire closed-loop supply chain network design: Hybrid metaheuristic algorithms for large-scale networks. <i>Journal of Cleaner Production</i> , <b>2018</b> , 196, 273-296	10.3	131
7	A tri-level location-allocation model for forward/reverse supply chain. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 62, 328-346	7.5	57
6	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> , <b>2018</b> , 70, 701-722	7.5	53
5	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
4	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
3	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
2	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
1	Sustainable closed-loop supply chain with energy efficiency: Lagrangian relaxation, reformulations and heuristics. <i>Annals of Operations Research</i> ,	3.2	4