

# Mostafa Hajiaghaei-Keshteli

## 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.

73  
papers

2,371  
citations

29  
h-index

47  
g-index

80  
ext. papers

3,446  
ext. citations

5.1  
avg, IF

6.53  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 73 | 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       |
| 72 | The Social Engineering Optimizer (SEO). <i>Engineering Applications of Artificial Intelligence</i> , <b>2018</b> , 72, 267-293   | 7.3  | 126       |
| 71 | Red deer algorithm (RDA): a new nature-inspired meta-heuristic. <i>Soft Computing</i> , <b>2020</b> , 24, 14637-14665  | 3.5  | 120       |
| 70 | 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        |
| 69 | A bi-objective green home health care routing problem. <i>Journal of Cleaner Production</i> , <b>2018</b> , 200, 423-443   | 10.3 | 80        |
| 68 | 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        |
| 67 | Tree Growth Algorithm (TGA): A novel approach for solving optimization problems. <i>Engineering Applications of Artificial Intelligence</i> , <b>2018</b> , 72, 393-414  | 7.2  | 79        |
| 66 | 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        |
| 65 | 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        |
| 64 | 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        |
| 63 | Solving a capacitated fixed-charge transportation problem by artificial immune and genetic algorithms with a Prüfer number representation. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 10462-10474             | 7.8  | 63        |
| 62 | A bi-objective optimization for citrus closed-loop supply chain using Pareto-based algorithms. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 69, 33-59   | 7.5  | 62        |
| 61 | 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        |
| 60 | 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        |
| 59 | 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        |
| 58 | Solving the integrated scheduling of production and rail transportation problem by Keshtel algorithm. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 25, 184-203  | 7.5  | 52        |
| 57 | Addressing a nonlinear fixed-charge transportation problem using a spanning tree-based genetic algorithm. <i>Computers and Industrial Engineering</i> , <b>2010</b> , 59, 259-271  | 6.4  | 51        |

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| 56 | 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 |
| 55 | Designing and solving a bi-level model for rice supply chain using the evolutionary algorithms. <i>Computers and Electronics in Agriculture</i> , <b>2019</b> , 162, 651-668  | 6.5  | 45 |
| 54 | Integrated scheduling of production and rail transportation. <i>Computers and Industrial Engineering</i> , <b>2014</b> , 74, 240-256  | 6.4  | 44 |
| 53 | The allocation of customers to potential distribution centers in supply chain networks: GA and AIA approaches. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 2069-2078  | 7.5  | 44 |
| 52 | 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 |
| 51 | Genetic algorithms for coordinated scheduling of production and air transportation. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 8255-8266   | 7.8  | 42 |
| 50 | 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 |
| 49 | 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 |
| 48 | Sustainable supplier selection and order allocation through quantity discounts. <i>International Journal of Management Science and Engineering Management</i> , <b>2018</b> , 13, 20-32                                       | 2.8  | 39 |
| 47 | Solving a fuzzy fixed charge solid transportation problem using batch transferring by new approaches in meta-heuristic. <i>Electronic Notes in Discrete Mathematics</i> , <b>2017</b> , 58, 143-150                           | 0.3  | 35 |
| 46 | Developing a lower bound and strong heuristics for a truck scheduling problem in a cross-docking center. <i>Knowledge-Based Systems</i> , <b>2017</b> , 129, 17-38  | 7.3  | 34 |
| 45 | Designing a sustainable closed-loop supply chain network for walnut industry. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 141, 110821   | 16.2 | 30 |
| 44 | Determination of the economical policy of a three-echelon inventory system with (R, Q) ordering policy and information sharing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2011</b> , 55, 831-841 | 3.2  | 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> , <b>2021</b> , 50, 101418            | 7.4  | 29 |
| 42 | Deriving the cost function for a class of three-echelon inventory system with N-retailers and one-for-one ordering policy. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 50, 343-351      | 3.2  | 26 |
| 41 | Designing a closed-loop supply chain network for citrus fruits crates considering environmental and economic issues. <i>Journal of Manufacturing Systems</i> , <b>2020</b> , 55, 199-220                                      | 9.1  | 25 |
| 40 | Utilizing IoT to design a relief supply chain network for the SARS-COV-2 pandemic. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 104, 107210  | 7.5  | 25 |
| 39 | New approaches in metaheuristics to solve the fixed charge transportation problem in a fuzzy environment. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 477-497  | 4.8  | 25 |

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| 38 | An innovative waste management system in a smart city under stochastic optimization using vehicle routing problem. <i>Soft Computing</i> , <b>2021</b> , 25, 6707-6727   | 3.5  | 24 |
| 37 | Innovative approaches to design and address green supply chain network with simultaneous pick-up and split delivery. <i>Journal of Cleaner Production</i> , <b>2020</b> , 250, 119437  | 10.3 | 22 |
| 36 | Applying a hybrid BWM-VIKOR approach to supplier selection: a case study in the Iranian agricultural implements industry. <i>International Journal of Applied Decision Sciences</i> , <b>2018</b> , 11, 274  | 0.8  | 21 |
| 35 | A Bi-Objective Stochastic Closed-loop Supply Chain Network Design Problem Considering Downside Risk. <i>Industrial Engineering and Management Systems</i> , <b>2017</b> , 16, 342-362  | 2.5  | 21 |
| 34 | Determination of the optimal sales level of perishable goods in a two-echelon supply chain network. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 139, 106156  | 6.4  | 21 |
| 33 | Shrimp closed-loop supply chain network design. <i>Soft Computing</i> , <b>2021</b> , 25, 7399-7422  | 3.5  | 21 |
| 32 | Designing a Closed-loop Supply Chain Network Considering Social Factors; A Case Study on Avocado Industry. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 101, 600-600  | 4.5  | 21 |
| 31 | 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 |
| 30 | 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 |
| 29 | Recovery solutions for ecotourism centers during the Covid-19 pandemic: Utilizing Fuzzy DEMATEL and Fuzzy VIKOR methods. <i>Expert Systems With Applications</i> , <b>2021</b> , 185, 115594   | 7.8  | 19 |
| 28 | Metaheuristic approaches to design and address multi-echelon sugarcane closed-loop supply chain network. <i>Soft Computing</i> , <b>2021</b> , 25, 11377-11404   | 3.5  | 17 |
| 27 | Bi-level programming for home health care supply chain considering outsourcing. <i>Journal of Industrial Information Integration</i> , <b>2021</b> , 100246  | 7    | 17 |
| 26 | Designing a closed-loop supply chain network considering multi-task sales agencies and multi-mode transportation. <i>Soft Computing</i> , <b>2021</b> , 25, 6203-6235  | 3.5  | 17 |
| 25 | Multi-facility-based improved closed-loop supply chain network for handling uncertain demands. <i>Soft Computing</i> , <b>2020</b> , 24, 7125-7147   | 3.5  | 16 |
| 24 | 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 |
| 23 | Extending the solid step fixed-charge transportation problem to consider two-stage networks and multi-item shipments. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 137, 106008  | 6.4  | 15 |
| 22 | Disaster relief supply chain design for personal protection equipment during the COVID-19 pandemic. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 112, 107809  | 7.5  | 15 |
| 21 | Designing a supply chain network for blood decomposition by utilizing social and environmental factor. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 160, 107501   | 6.4  | 14 |

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| 20 | Metaheuristics for a bi-objective green vendor managed inventory problem in a two-echelon supply chain network. <i>Scientia Iranica</i> , <b>2020</b> , 0-0   | 1.5  | 9 |
| 19 | Landfill Site Selection for Medical Waste Using an Integrated SWARA-WASPAS Framework Based on Spherical Fuzzy Set. <i>Sustainability</i> , <b>2021</b> , 13, 13950  | 3.6  | 8 |
| 18 | Designing a resilient and sustainable closed-loop supply chain network in copper industry. <i>Clean Technologies and Environmental Policy</i> , 1   | 4.3  | 7 |
| 17 | Sustainable planning and decision-making model for sugarcane mills considering environmental issues. <i>Journal of Environmental Management</i> , <b>2021</b> , 303, 114252   | 7.9  | 6 |
| 16 | A multi-objective robust supply chain design considering reliability. <i>Journal of Industrial and Production Engineering</i> , <b>2019</b> , 36, 385-400   | 1    | 5 |
| 15 | Bio-recovery of municipal plastic waste management based on an integrated decision-making framework. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2022</b> ,   | 6.3  | 5 |
| 14 | Evaluation of the components of intelligence and greenness in Iranian ports based on network data envelopment analysis (DEA) approach. <i>Journal of Modelling in Management</i> , <b>2021</b> , ahead-of-print,      | 2.2  | 5 |
| 13 | Tabu Search Based Hybrid Meta-Heuristic Approaches for Schedule-Based Production Cost Minimization Problem for the Case of Cable Manufacturing Systems. <i>Informatica</i> , <b>2021</b> , 1-24                       | 2.9  | 4 |
| 12 | Designing an effective two-stage, sustainable, and IoT based waste management system. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 157, 112031   | 16.2 | 4 |
| 11 | An Improved Red Deer Algorithm to Address a Direct Current Brushless Motor Design Problem. <i>Scientia Iranica</i> , <b>2019</b> , 0-0  | 1.5  | 4 |
| 10 | A hybrid Approach in Metaheuristics for a Cross-dock Scheduling Considering Time Windows and Deadline for Trucks Departure. <i>Scientia Iranica</i> , <b>2019</b> , 0-0   | 1.5  | 4 |
| 9  | A new bi-objective integrated vehicle transportation model considering simultaneous pick-up and split delivery. <i>Scientia Iranica</i> , <b>2020</b> , 0-0   | 1.5  | 3 |
| 8  | Two calibrated meta-heuristics to solve an integrated scheduling problem of production and air transportation with the interval due date. <i>Soft Computing</i> , <b>2020</b> , 24, 16383-16411                       | 3.5  | 2 |
| 7  | Creating Shared Value and Strategic Corporate Social Responsibility through Outsourcing within Supply Chain Management. <i>Sustainability</i> , <b>2022</b> , 14, 1940  | 3.6  | 2 |
| 6  | Relief Supply Chain Management Using Internet of Things to Address COVID-19 Outbreak. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 107429  | 6.4  | 2 |
| 5  | <b>2016</b> ,   |      | 2 |
| 4  | A hybrid novel framework for flood disaster risk control in developing countries based on smart prediction systems and prioritized scenarios.. <i>Journal of Environmental Management</i> , <b>2022</b> , 312, 114939 | 7.9  | 2 |
| 3  | Solving a Discounted Closed-Loop Supply Chain Network Design Problem by Recent Metaheuristics. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 3-24  | 0.4  | 1 |

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| 2 | Heuristic approaches to solve the fixed-charge transportation problem with discount supposition. <i>Journal of Industrial and Production Engineering</i> , <b>2018</b> , 35, 444-470 | 1   | 1 |
| 1 | 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 |