

Reza Tavakkoli-Moghaddam

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512
papers

10,583
citations

53
h-index

74
g-index

578
ext. papers

12,634
ext. citations

3.6
avg, IF

7.17
L-index

#	Paper	IF	Citations
512	A new multi-objective stochastic model for a forward/reverse logistic network design with responsiveness and quality level. <i>Applied Mathematical Modelling</i> , 2013 , 37, 328-344	4.5	215
511	Reliability optimization of series-parallel systems with a choice of redundancy strategies using a genetic algorithm. <i>Reliability Engineering and System Safety</i> , 2008 , 93, 550-556	6.3	199
510	Sustainable design of a closed-loop location-routing-inventory supply chain network under mixed uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 89, 182-214	9	199
509	Group decision making based on novel fuzzy modified TOPSIS method. <i>Applied Mathematical Modelling</i> , 2011 , 35, 4257-4269	4.5	128
508	The Social Engineering Optimizer (SEO). <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 72, 267-293	3.5	126
507	Red deer algorithm (RDA): a new nature-inspired meta-heuristic. <i>Soft Computing</i> , 2020 , 24, 14637-14665	3.5	120
506	Solving a group layout design model of a dynamic cellular manufacturing system with alternative process routings, lot splitting and flexible reconfiguration by simulated annealing. <i>Computers and Operations Research</i> , 2012 , 39, 2642-2658	4.6	115
505	A novel two-phase group decision making approach for construction project selection in a fuzzy environment. <i>Applied Mathematical Modelling</i> , 2012 , 36, 4197-4217	4.5	115
504	Reliable design of a forward/reverse logistics network under uncertainty: A robust-M/M/c queuing model. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012 , 48, 1152-1168	9	110
503	A new design of the elimination and choice translating reality method for multi-criteria group decision-making in an intuitionistic fuzzy environment. <i>Applied Mathematical Modelling</i> , 2013 , 37, 1781-1799	4.5	102
502	A hybrid multi-objective immune algorithm for a flow shop scheduling problem with bi-objectives: Weighted mean completion time and weighted mean tardiness. <i>Information Sciences</i> , 2007 , 177, 5072-5090	7.7	101
501	Design of a facility layout problem in cellular manufacturing systems with stochastic demands. <i>Applied Mathematics and Computation</i> , 2007 , 184, 721-728	2.7	96
500	A multi-objective dynamic vehicle routing problem with fuzzy time windows: Model, solution and application. <i>Applied Soft Computing Journal</i> , 2014 , 14, 504-527	7.5	93
499	Solving a dynamic cell formation problem using metaheuristics. <i>Applied Mathematics and Computation</i> , 2005 , 170, 761-780	2.7	90
498	A hybrid simulated annealing algorithm for location and routing scheduling problems with cross-docking in the supply chain. <i>Journal of Manufacturing Systems</i> , 2013 , 32, 335-347	9.1	88
497	Sustainable hub location under mixed uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 62, 89-115	9	87
496	Electromagnetism-like mechanism and simulated annealing algorithms for flowshop scheduling problems minimizing the total weighted tardiness and makespan. <i>Knowledge-Based Systems</i> , 2010 , 23, 77-85	7.3	84

495	Integrated multi-period cell formation and subcontracting production planning in dynamic cellular manufacturing systems. <i>International Journal of Production Economics</i> , 2009 , 120, 301-314	9.3	83
494	An interactive approach for designing a robust disaster relief logistics network with perishable commodities. <i>Computers and Industrial Engineering</i> , 2016 , 94, 201-215	6.4	81
493	An efficient algorithm for solving a new mathematical model for a quay crane scheduling problem in container ports. <i>Computers and Industrial Engineering</i> , 2009 , 56, 241-248	6.4	81
492	A bi-objective green home health care routing problem. <i>Journal of Cleaner Production</i> , 2018 , 200, 423-443	10.3	80
491	Solving a new bi-objective location-routing-inventory problem in a distribution network by meta-heuristics. <i>Computers and Industrial Engineering</i> , 2014 , 76, 204-221	6.4	80
490	A hybrid simulated annealing for capacitated vehicle routing problems with the independent route length. <i>Applied Mathematics and Computation</i> , 2006 , 176, 445-454	2.7	77
489	Pricing and ordering decisions in a supply chain with imperfect quality items and inspection under buyback of defective items. <i>International Journal of Production Research</i> , 2015 , 53, 4553-4582	7.8	74
488	A dynamic pricing approach for returned products in integrated forward/reverse logistics network design. <i>Applied Mathematical Modelling</i> , 2013 , 37, 10182-10202	4.5	73
487	A robust optimization approach for pollution routing problem with pickup and delivery under uncertainty. <i>Journal of Manufacturing Systems</i> , 2014 , 33, 277-286	9.1	73
486	Solving a multi-floor layout design model of a dynamic cellular manufacturing system by an efficient genetic algorithm. <i>Journal of Manufacturing Systems</i> , 2014 , 33, 218-232	9.1	72
485	A new hybrid multi-objective Pareto archive PSO algorithm for a bi-objective job shop scheduling problem. <i>Expert Systems With Applications</i> , 2011 , 38, 10812-10821	7.8	72
484	Solving a new stochastic multi-mode p-hub covering location problem considering risk by a novel multi-objective algorithm. <i>Applied Mathematical Modelling</i> , 2013 , 37, 10053-10073	4.5	71
483	Soft computing based on new interval-valued fuzzy modified multi-criteria decision-making method. <i>Applied Soft Computing Journal</i> , 2013 , 13, 165-172	7.5	70
482	A robust possibilistic programming approach to multi-period location-allocation of organ transplant centers under uncertainty. <i>Computers and Industrial Engineering</i> , 2014 , 74, 139-148	6.4	68
481	A multi-objective scatter search for a mixed-model assembly line sequencing problem. <i>Advanced Engineering Informatics</i> , 2007 , 21, 85-99	7.4	68
480	A robust design for a closed-loop supply chain network under an uncertain environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 66, 825-843	3.2	67
479	Designing and optimizing a sustainable supply chain network for a blood platelet bank under uncertainty. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 71, 236-250	7.2	66
478	A new compromise solution method for fuzzy group decision-making problems with an application to the contractor selection. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 779-788	7.2	66

477	Selection of wastewater treatment process based on the analytical hierarchy process and fuzzy analytical hierarchy process methods. <i>International Journal of Environmental Science and Technology</i> , 2011 , 8, 267-280	3.3	64
476	A hybrid method for solving stochastic job shop scheduling problems. <i>Applied Mathematics and Computation</i> , 2005 , 170, 185-206	2.7	64
475	Solving a capacitated fixed-charge transportation problem by artificial immune and genetic algorithms with a Prüfer number representation. <i>Expert Systems With Applications</i> , 2011 , 38, 10462-10474	7.8	63
474	Design of a pharmaceutical supply chain network under uncertainty considering perishability and substitutability of products. <i>Information Sciences</i> , 2018 , 423, 257-283	7.7	62
473	A multi-objective electromagnetism algorithm for a bi-objective flowshop scheduling problem. <i>Journal of Manufacturing Systems</i> , 2012 , 31, 232-239	9.1	62
472	Multi-objective design of an organ transplant network under uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 72, 101-124	9	61
471	A genetic algorithm using priority-based encoding with new operators for fixed charge transportation problems. <i>Applied Soft Computing Journal</i> , 2013 , 13, 2711-2726	7.5	61
470	Design of a genetic algorithm for bi-objective unrelated parallel machines scheduling with sequence-dependent setup times and precedence constraints. <i>Computers and Operations Research</i> , 2009 , 36, 3224-3230	4.6	61
469	Multi-Criteria Decision Making for Plant Location Selection: An Integrated Delphi-HPBROMETHEE Methodology. <i>Arabian Journal for Science and Engineering</i> , 2013 , 38, 1255-1268		59
468	Application of genetic algorithm to computer-aided process planning in preliminary and detailed planning. <i>Engineering Applications of Artificial Intelligence</i> , 2009 , 22, 1179-1187	7.2	59
467	Design of a scatter search method for a novel multi-criteria group scheduling problem in a cellular manufacturing system. <i>Expert Systems With Applications</i> , 2010 , 37, 2661-2669	7.8	58
466	A Fuzzy Stochastic Multi-Attribute Group Decision-Making Approach for Selection Problems. <i>Group Decision and Negotiation</i> , 2013 , 22, 207-233	2.5	57
465	A New Capacitated Vehicle Routing Problem with Split Service for Minimizing Fleet Cost by Simulated Annealing. <i>Journal of the Franklin Institute</i> , 2007 , 344, 406-425	4	57
464	A robust optimization approach for an integrated dynamic cellular manufacturing system and production planning with unreliable machines. <i>Applied Mathematical Modelling</i> , 2016 , 40, 169-191	4.5	56
463	A fuzzy pricing model for a green competitive closed-loop supply chain network design in the presence of disruptions. <i>Journal of Cleaner Production</i> , 2018 , 188, 425-442	10.3	55
462	Reliable design of a closed loop supply chain network under uncertainty: An interval fuzzy possibilistic chance-constrained model. <i>Engineering Optimization</i> , 2013 , 45, 745-765	2	55
461	A memetic algorithm for the flexible flow line scheduling problem with processor blocking. <i>Computers and Operations Research</i> , 2009 , 36, 402-414	4.6	55
460	Investigation of the optimal location design of a hybrid wind-solar plant: A case study. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 100-114	6.7	54

459	Location of cross-docking centers and vehicle routing scheduling under uncertainty: A fuzzy possibilistic-stochastic programming model. <i>Applied Mathematical Modelling</i> , 2014 , 38, 2249-2264	4.5	51
458	Addressing a nonlinear fixed-charge transportation problem using a spanning tree-based genetic algorithm. <i>Computers and Industrial Engineering</i> , 2010 , 59, 259-271	6.4	51
457	A branch and bound algorithm for hybrid flow shop scheduling problem with setup time and assembly operations. <i>Applied Mathematical Modelling</i> , 2014 , 38, 119-134	4.5	50
456	A memetic algorithm for a vehicle routing problem with backhauls. <i>Applied Mathematics and Computation</i> , 2006 , 181, 1049-1060	2.7	50
455	Two novel FMCDM methods for alternative-fuel buses selection. <i>Applied Mathematical Modelling</i> , 2011 , 35, 1396-1412	4.5	49
454	Multi-criteria sequencing problem for a mixed-model assembly line in a JIT production system. <i>Applied Mathematics and Computation</i> , 2006 , 181, 1471-1481	2.7	49
453	An integrated Data Envelopment Analysis-Artificial Neural Network-Rough Set Algorithm for assessment of personnel efficiency. <i>Expert Systems With Applications</i> , 2011 , 38, 1364-1373	7.8	48
452	An approximation approach to a trade-off among efficiency, efficacy, and balance for relief pre-positioning in disaster management. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 93, 485-509	9	48
451	Comprehensive fuzzy multi-objective multi-product multi-site aggregate production planning decisions in a supply chain under uncertainty. <i>Applied Soft Computing Journal</i> , 2015 , 37, 585-607	7.5	47
450	Robust humanitarian relief logistics network planning. <i>Uncertain Supply Chain Management</i> , 2014 , 2, 73-96	1.1	47
449	A new support vector model-based imperialist competitive algorithm for time estimation in new product development projects. <i>Robotics and Computer-Integrated Manufacturing</i> , 2013 , 29, 157-168	9.2	46
448	A fuzzy-mixed-integer goal programming model for a parallel-machine scheduling problem with sequence-dependent setup times and release dates. <i>Robotics and Computer-Integrated Manufacturing</i> , 2009 , 25, 853-859	9.2	46
447	Design of a reliable multi-modal multi-commodity model for hazardous materials transportation under uncertainty. <i>European Journal of Operational Research</i> , 2017 , 257, 792-809	5.6	45
446	A fuzzy programming approach for a cell formation problem with dynamic and uncertain conditions. <i>Fuzzy Sets and Systems</i> , 2008 , 159, 215-236	3.7	45
445	Robot selection by a multiple criteria complex proportional assessment method under an interval-valued fuzzy environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 73, 687-697	3.2	44
444	A multi-objective particle swarm optimisation algorithm for unequal sized dynamic facility layout problem with pickup/drop-off locations. <i>International Journal of Production Research</i> , 2012 , 50, 4279-4293 ^{7,8}	7.8	44
443	Reliable design of a logistics network under uncertainty: A fuzzy possibilistic-queuing model. <i>Applied Mathematical Modelling</i> , 2013 , 37, 3254-3268	4.5	44
442	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	2.7	44

441	A self-adaptive evolutionary algorithm for a fuzzy multi-objective hub location problem: An integration of responsiveness and social responsibility. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 62, 1-16	7.2	43
440	Vehicle routing scheduling using an enhanced hybrid optimization approach. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 759-774	6.7	43
439	Hybrid artificial intelligence and robust optimization for a multi-objective product portfolio problem Case study: The dairy products industry. <i>Computers and Industrial Engineering</i> , 2019 , 137, 106090-106094	6.4	42
438	Multi-objective hub network design under uncertainty considering congestion: An M/M/c/K queue system. <i>Applied Mathematical Modelling</i> , 2016 , 40, 4179-4198	4.5	42
437	A New Multi-objective Competitive Open Vehicle Routing Problem Solved by Particle Swarm Optimization. <i>Networks and Spatial Economics</i> , 2012 , 12, 609-633	1.9	42
436	A hybridization of simulated annealing and electromagnetic-like mechanism for job shop problems with machine availability and sequence-dependent setup times to minimize total weighted tardiness. <i>Soft Computing</i> , 2009 , 13, 995-1006	3.5	42
435	Modified variable neighborhood search and genetic algorithm for profitable heterogeneous vehicle routing problem with cross-docking. <i>Applied Soft Computing Journal</i> , 2019 , 75, 441-460	7.5	41
434	An Electromagnetism-like algorithm for cell formation and layout problem. <i>Expert Systems With Applications</i> , 2012 , 39, 2172-2182	7.8	40
433	A cell formation problem considering machine utilization and alternative process routes by scatter search. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 1127-1139	6.7	40
432	Two meta-heuristics for three-stage assembly flowshop scheduling with sequence-dependent setup times. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 50, 1153-1164	3.2	40
431	A game-based meta-heuristic for a fuzzy bi-objective reliable hub location problem. <i>Engineering Applications of Artificial Intelligence</i> , 2016 , 50, 1-19	7.2	39
430	Designing a bi-objective and multi-product supply chain network for the supply of blood. <i>Uncertain Supply Chain Management</i> , 2015 , 3, 57-68	1.1	39
429	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	39
428	A new mathematical model for a competitive vehicle routing problem with time windows solved by simulated annealing. <i>Journal of Manufacturing Systems</i> , 2011 , 30, 83-92	9.1	39
427	Reliable blood supply chain network design with facility disruption: A real-world application. <i>Engineering Applications of Artificial Intelligence</i> , 2020 , 90, 103493	7.2	39
426	Sustainable-supplier selection for manufacturing services: a failure mode and effects analysis model based on interval-valued fuzzy group decision-making. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 95, 3609-3629	3.2	39
425	Modified particle swarm optimization in a time-dependent vehicle routing problem: minimizing fuel consumption. <i>Optimization Letters</i> , 2017 , 11, 121-134	1.1	38
424	Reliable single-allocation hub location problem with disruptions. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 123, 90-120	9	37

4 ²³	Design of a reliable logistics network with hub disruption under uncertainty. <i>Applied Mathematical Modelling</i> , 2016 , 40, 5621-5642	4.5	37
4 ²²	Solving a multi periodic stochastic model of the railcar fleet sizing by two-stage optimization formulation. <i>Applied Mathematical Modelling</i> , 2010 , 34, 1164-1174	4.5	37
4 ²¹	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	9.3	37
4 ²⁰	Robust and fuzzy goal programming optimization approaches for a novel multi-objective hub location-allocation problem: A supply chain overview. <i>Applied Soft Computing Journal</i> , 2015 , 37, 255-276	7.5	36
4 ¹⁹	An interactive possibilistic programming approach for a multi-objective hub location problem: Economic and environmental design. <i>Applied Soft Computing Journal</i> , 2017 , 52, 699-713	7.5	36
4 ¹⁸	An intuitionistic fuzzy grey model for selection problems with an application to the inspection planning in manufacturing firms. <i>Engineering Applications of Artificial Intelligence</i> , 2015 , 39, 157-167	7.2	36
4 ¹⁷	Fuzzy Possibilistic Modeling for Closed Loop Recycling Collection Networks. <i>Environmental Modeling and Assessment</i> , 2012 , 17, 623-637	2	36
4 ¹⁶	Solving a single-machine scheduling problem with maintenance, job deterioration and learning effect by simulated annealing. <i>Journal of Manufacturing Systems</i> , 2010 , 29, 1-9	9.1	36
4 ¹⁵	Solving a multi-objective no-wait flow shop scheduling problem with an immune algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 36, 969-981	3.2	36
4 ¹⁴	Multiobjective fuzzy mathematical model for a financially constrained closed-loop supply chain with labor employment. <i>Computational Intelligence</i> , 2020 , 36, 4-34	2.5	36
4 ¹³	Solving a fuzzy fixed charge solid transportation problem using batch transferring by new approaches in meta-heuristic. <i>Electronic Notes in Discrete Mathematics</i> , 2017 , 58, 143-150	0.3	35
4 ¹²	A replenishment policy based on joint optimization in a downstream pharmaceutical supply chain: centralized vs. decentralized replenishment. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 57, 367-378	3.2	35
4 ¹¹	A new integrated mathematical model for a bi-objective multi-depot location-routing problem solved by a multi-objective scatter search algorithm. <i>Journal of Manufacturing Systems</i> , 2010 , 29, 111-119	9.1	35
4 ¹⁰	A hybrid algorithm based on particle swarm optimization and simulated annealing for a periodic job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 54, 309-322	3.2	34
4 ⁰⁹	A novel two-stage genetic algorithm for a mixed-model U-line balancing problem with duplicated tasks. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 55, 1111-1122	3.2	34
4 ⁰⁸	A multi-objective scatter search for a bi-criteria no-wait flow shop scheduling problem. <i>Engineering Optimization</i> , 2008 , 40, 331-346	2	34
4 ⁰⁷	Multi-objective mathematical modeling for sustainable supply chain management in the paper industry. <i>Computers and Industrial Engineering</i> , 2019 , 135, 1092-1102	6.4	33
4 ⁰⁶	A credibility-constrained programming for reliable forward reverse logistics network design under uncertainty and facility disruptions. <i>International Journal of Computer Integrated Manufacturing</i> , 2015 , 28, 664-678	4.3	33

405	Soft computing based on a fuzzy grey group compromise solution approach with an application to the selection problem of material handling equipment. <i>International Journal of Computer Integrated Manufacturing</i> , 2014 , 27, 547-569	4.3	33
404	Solving a fuzzy fixed charge solid transportation problem by metaheuristics. <i>Mathematical and Computer Modelling</i> , 2013 , 57, 1543-1558		33
403	A hybrid artificial immune algorithm for a realistic variant of job shops to minimize the total completion time. <i>Computers and Industrial Engineering</i> , 2009 , 56, 1494-1501	6.4	33
402	Facilities layout design by genetic algorithms. <i>Computers and Industrial Engineering</i> , 1998 , 35, 527-530	6.4	33
401	Make-to-order or make-to-stock decision by a novel hybrid approach. <i>Advanced Engineering Informatics</i> , 2008 , 22, 186-201	7.4	33
400	A computer simulation model for job shop scheduling problems minimizing makespan. <i>Computers and Industrial Engineering</i> , 2005 , 48, 811-823	6.4	33
399	Pharmacological therapy selection of type 2 diabetes based on the SWARA and modified MULTIMOORA methods under a fuzzy environment. <i>Artificial Intelligence in Medicine</i> , 2018 , 87, 20-33	7.4	32
398	Multiple cross-docks scheduling using two meta-heuristic algorithms. <i>Computers and Industrial Engineering</i> , 2014 , 74, 129-138	6.4	32
397	A bi-objective truck scheduling problem in a cross-docking center with probability of breakdown for trucks. <i>Computers and Industrial Engineering</i> , 2016 , 96, 180-191	6.4	32
396	Solving a multi-objective open shop scheduling problem by a novel hybrid ant colony optimization. <i>Expert Systems With Applications</i> , 2011 , 38, 2817-2822	7.8	31
395	The use of multi-criteria data envelopment analysis (MCDEA) for location allocation problems in a fuzzy environment. <i>Expert Systems With Applications</i> , 2011 , 38, 5687-5695	7.8	31
394	Application of robust optimization for a product portfolio problem using an invasive weed optimization algorithm. <i>Numerical Algebra, Control and Optimization</i> , 2019 , 9, 187-209	1.7	31
393	A Benders decomposition algorithm for optimizing distribution of perishable products considering postharvest biological behavior in agri-food supply chain: a case study of tomato. <i>Central European Journal of Operations Research</i> , 2017 , 25, 29-54	2.2	30
392	Solving a multi-objective job shop scheduling problem with sequence-dependent setup times by a Pareto archive PSO combined with genetic operators and VNS. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 53, 733-750	3.2	30
391	Risk assessment for highway projects using jackknife technique. <i>Expert Systems With Applications</i> , 2011 , 38, 5514-5524	7.8	30
390	Mathematical modelling of a robust inspection process plan: Taguchi and Monte Carlo methods. <i>International Journal of Production Research</i> , 2015 , 53, 2202-2224	7.8	29
389	A Hierarchical Group Decision-Making Approach for New Product Selection in a Fuzzy Environment. <i>Arabian Journal for Science and Engineering</i> , 2013 , 38, 3233-3248		29
388	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

387	Solving a periodic single-track train timetabling problem by an efficient hybrid algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2012 , 25, 793-800	7.2	28
386	Multiobjective Dynamic Vehicle Routing Problem With Fuzzy Travel Times and Customers' Satisfaction in Supply Chain Management. <i>IEEE Transactions on Engineering Management</i> , 2013 , 60, 777-796	7.6	28
385	An imperialist competitive algorithm for multi-objective U-type assembly line design. <i>Journal of Computational Science</i> , 2013 , 4, 393-400	3.4	28
384	Multi-objective time-cost trade-off in dynamic PERT networks using an interactive approach. <i>European Journal of Operational Research</i> , 2007 , 180, 1186-1200	5.6	28
383	Solving a new bi-objective hierarchical hub location problem with an M ² queuing framework. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 78, 53-70	7.2	28
382	An integrated approach based on artificial intelligence and novel meta-heuristic algorithms to predict demand for dairy products: a case study. <i>Network: Computation in Neural Systems</i> , 2021 , 32, 1-35	0.7	28
381	Solving a multi-objective multi-skilled manpower scheduling model by a fuzzy goal programming approach. <i>Applied Mathematical Modelling</i> , 2013 , 37, 5424-5443	4.5	27
380	An Improved Hybrid Grey Relational Analysis Approach for Green Resilient Supply Chain Network Assessment. <i>Sustainability</i> , 2017 , 9, 1433	3.6	27
379	The periodicity and robustness in a single-track train scheduling problem. <i>Applied Soft Computing Journal</i> , 2012 , 12, 440-452	7.5	27
378	A differential evolution algorithm to solve multi-skilled project portfolio scheduling problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 64, 1099-1111	3.2	26
377	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	7.5	26
376	Optimal scheduling for a single machine to minimize the sum of maximum earliness and tardiness considering idle insert. <i>Applied Mathematics and Computation</i> , 2005 , 167, 1430-1450	2.7	26
375	A bi-level and robust optimization-based framework for a hazardous waste management problem: A real-world application. <i>Journal of Cleaner Production</i> , 2020 , 252, 119830	10.3	26
374	A tri-level r -interdiction median model for a facility location problem under imminent attack. <i>Computers and Industrial Engineering</i> , 2017 , 114, 151-165	6.4	25
373	An evolutionary algorithm for a new multi-objective location-inventory model in a distribution network with transportation modes and third-party logistics providers. <i>International Journal of Production Research</i> , 2015 , 53, 1038-1050	7.8	25
372	An interactive possibilistic programming approach for a multi-objective closed-loop supply chain network under uncertainty. <i>International Journal of Systems Science</i> , 2014 , 45, 283-299	2.3	25
371	A hybrid particle swarm optimization algorithm for a no-wait flow shop scheduling problem with the total flow time. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 70, 1181-1188	3.2	25
370	A hybridization of simulated annealing and electromagnetism-like mechanism for a periodic job shop scheduling problem. <i>Expert Systems With Applications</i> , 2011 , 38, 5895-5901	7.8	25

369	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	7.5	25
368	A novel hybrid approach combining electromagnetism-like method with Solis and Wets local search for continuous optimization problems. <i>Journal of Global Optimization</i> , 2009 , 44, 227-234	1.5	25
367	Flexible job shop scheduling problem with reconfigurable machine tools: An improved differential evolution algorithm. <i>Applied Soft Computing Journal</i> , 2020 , 94, 106416	7.5	25
366	A Self-Learning Particle Swarm Optimization for Robust Multi-Echelon Capacitated Location-Allocation-Inventory Problem. <i>Journal of Advanced Manufacturing Systems</i> , 2019 , 18, 677-694	1.8	25
365	A bi-objective location-inventory model with capacitated transportation and lateral transshipments. <i>International Journal of Production Research</i> , 2016 , 54, 2035-2056	7.8	24
364	Supply chain network design considering sustainable development paradigm: A case study in cable industry. <i>Journal of Cleaner Production</i> , 2019 , 234, 366-380	10.3	24
363	A vibration damping optimization algorithm for a parallel machines scheduling problem with sequence-independent family setup times. <i>Applied Mathematical Modelling</i> , 2015 , 39, 6845-6859	4.5	24
362	A new solution for a dynamic cell formation problem with alternative routing and machine costs using simulated annealing. <i>Journal of the Operational Research Society</i> , 2008 , 59, 443-454	2	24
361	Sustainable vehicle routing problem for coordinated solid waste management. <i>Journal of Industrial Information Integration</i> , 2021 , 23, 100220	7	24
360	Designing a Reliable Multi-Objective Queuing Model of a Petrochemical Supply Chain Network under Uncertainty: A Case Study. <i>Computers and Chemical Engineering</i> , 2017 , 100, 177-197	4	23
359	A new stochastic approach for a reliable p-hub covering location problem. <i>Computers and Industrial Engineering</i> , 2015 , 90, 371-380	6.4	23
358	Modeling truck scheduling problem at a cross-dock facility through a bi-objective bi-level optimization approach. <i>Journal of Intelligent Manufacturing</i> , 2018 , 29, 1155-1170	6.7	23
357	Designing a fuzzy Q-learning multi-agent quality control system for a continuous chemical production line: A case study. <i>Computers and Industrial Engineering</i> , 2016 , 93, 215-226	6.4	23
356	An EOQ model with random disruption and partial backordering. <i>International Journal of Production Research</i> , 2016 , 54, 2600-2609	7.8	23
355	Find-Fix-Finish-Exploit-Analyze (F3EA) meta-heuristic algorithm: An effective algorithm with new evolutionary operators for global optimization. <i>Computers and Industrial Engineering</i> , 2019 , 128, 192-218	6.4	23
354	Blood inventory-routing problem under uncertainty. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 32, 467-481	1.6	22
353	Mathematical modeling for a p-mobile hub location problem in a dynamic environment by a genetic algorithm. <i>Applied Mathematical Modelling</i> , 2018 , 54, 151-169	4.5	22
352	A general flow shop scheduling problem with consideration of position-based learning effect and multiple availability constraints. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 73, 601-611	3.2	22

351	Risk ranking in mega projects by fuzzy compromise approach: A comparative analysis. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 26, 949-959	1.6	22
350	A novel 0-1 linear integer programming model for dynamic machine-tool selection and operation allocation in a flexible manufacturing system. <i>Journal of Manufacturing Systems</i> , 2012 , 31, 224-231	9.1	22
349	Metaheuristics for a bi-objective location-routing-problem in waste collection management. <i>Journal of Industrial and Production Engineering</i> , 2017 , 34, 239-252	1	22
348	A comprehensive decision making structure for partitioning of make-to-order, make-to-stock and hybrid products. <i>Soft Computing</i> , 2009 , 13, 1035-1054	3.5	22
347	A two-stage approach to agile pharmaceutical supply chain management with product substitutability in crises. <i>Computers and Chemical Engineering</i> , 2019 , 127, 200-217	4	21
346	Hybrid Approach to Construction Project Risk Management with Simultaneous FMEA/ISO 31000/Evolutionary Algorithms: Empirical Optimization Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018043	4.2	21
345	Solving a bi-objective unrelated parallel batch processing machines scheduling problem: A comparison study. <i>Computers and Operations Research</i> , 2017 , 88, 71-90	4.6	21
344	A multi-stage decision-making process for multiple attributes analysis under an interval-valued fuzzy environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 64, 1263-1273	3.2	21
343	Designing a sustainable closed-loop pharmaceutical supply chain in a competitive market considering demand uncertainty, manufacturer's brand and waste management. <i>Annals of Operations Research</i> , 2021 , 1-32	3.2	21
342	A novel multi-stage possibilistic stochastic programming approach (with an application in relief distribution planning). <i>Information Sciences</i> , 2017 , 385-386, 225-249	7.7	20
341	A multi-objective vehicle routing and scheduling problem with uncertainty in customers' request and priority. <i>Journal of Combinatorial Optimization</i> , 2014 , 28, 414-446	0.9	20
340	A genetic algorithm and memetic algorithm to sequencing and scheduling of cellular manufacturing systems. <i>International Journal of Management Science and Engineering Management</i> , 2008 , 3, 119-130	2.8	20
339	A multi-objective resource allocation problem in dynamic PERT networks. <i>Applied Mathematics and Computation</i> , 2006 , 181, 163-174	2.7	20
338	A review on optimisation of part quality inspection planning in a multi-stage manufacturing system. <i>International Journal of Production Research</i> , 2019 , 57, 4880-4897	7.8	20
337	Solving a new multi-objective multi-route flexible flow line problem by multi-objective particle swarm optimization and NSGA-II. <i>Journal of Manufacturing Systems</i> , 2015 , 36, 189-202	9.1	19
336	Interval programming for the redundancy allocation with choices of redundancy strategy and component type under uncertainty: Erlang time to failure distribution. <i>Applied Mathematics and Computation</i> , 2014 , 244, 413-421	2.7	19
335	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	7.8	19
334	Soft computing based on interval valued fuzzy ANP-A novel methodology. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 1529-1544	6.7	19

333	A three-stage assembly flow shop scheduling problem with blocking and sequence-dependent set up times. <i>Journal of Industrial Engineering International</i> , 2012 , 8, 1	2.6	19
332	Capacitated Vehicle Routing Problem for Multi-Product Cross- Docking with Split Deliveries and Pickups. <i>Procedia, Social and Behavioral Sciences</i> , 2012 , 62, 1360-1365		19
331	A novel approach based on non-parametric resampling with interval analysis for large engineering project risks. <i>Safety Science</i> , 2011 , 49, 1340-1348	5.8	19
330	Solving a multi-objective multi-depot stochastic location-routing problem by a hybrid simulated annealing algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2009 , 223, 1045-1054	2.4	19
329	An extended fuzzy parametric programming-based approach for designing cellular manufacturing systems under uncertainty and dynamic conditions. <i>International Journal of Computer Integrated Manufacturing</i> , 2009 , 22, 538-548	4.3	19
328	Designing group layout of unequal-area facilities in a dynamic cellular manufacturing system with variability in number and shape of cells. <i>International Journal of Production Research</i> , 2015 , 53, 3390-3418	7.8	18
327	Reliable design of an integrated forward-reverse logistics network under uncertainty and facility disruptions: A fuzzy possibilistic programming model. <i>KSCE Journal of Civil Engineering</i> , 2015 , 19, 1117-1128	1.9	18
326	Evolutionary algorithms for multi-objective dual-resource constrained flexible job-shop scheduling problem. <i>Opsearch</i> , 2019 , 56, 983-1006	1.6	18
325	Solving a new fuzzy multi-objective model for a multi-skilled manpower scheduling problem by particle swarm optimization and elite tabu search. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 64, 1517-1540	3.2	18
324	Annealing-based particle swarm optimization to solve the redundant reliability problem with multiple component choices. <i>Applied Soft Computing Journal</i> , 2012 , 12, 3462-3471	7.5	18
323	Scheduling the sequence of aircraft landings for a single runway using a fuzzy programming approach. <i>Journal of Air Transport Management</i> , 2012 , 25, 15-18	5.1	18
322	Solving an one-dimensional cutting stock problem by simulated annealing and tabu search. <i>Journal of Industrial Engineering International</i> , 2012 , 8, 1	2.6	18
321	A multi-objective fuzzy goal programming model for reverse supply chain design. <i>International Journal of Operational Research</i> , 2014 , 19, 141	0.9	17
320	Accessing feasible space in a generalized job shop scheduling problem with the fuzzy processing times: a fuzzy-neural approach. <i>Journal of the Operational Research Society</i> , 2008 , 59, 431-442	2	17
319	A multi-objective model for a nurse scheduling problem by emphasizing human factors. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020 , 234, 179-199	1.7	17
318	Bi-level programming for home health care supply chain considering outsourcing. <i>Journal of Industrial Information Integration</i> , 2021 , 100246	7	17
317	Design of a fuzzy bi-objective reliable p-hub center problem. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016 , 30, 2563-2580	1.6	17
316	Pricing and location decisions in multi-objective facility location problem with M/M/m/k queuing systems. <i>Engineering Optimization</i> , 2017 , 49, 136-160	2	16

315	A Lagrangean decomposition approach for a novel two-echelon node-based location-routing problem in an offshore oil and gas supply chain. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 128, 96-114	9	16
314	New integration of preventive maintenance and production planning with cell formation and group scheduling for dynamic cellular manufacturing systems. <i>Journal of Manufacturing Systems</i> , 2020 , 56, 341-358	9.1	16
313	An artificial bee colony algorithm for a two-stage hybrid flowshop scheduling problem with multilevel product structures and requirement operations. <i>International Journal of Computer Integrated Manufacturing</i> , 2015 , 28, 437-450	4.3	16
312	Integration of the fish bone diagram, brainstorming, and AHP method for problem solving and decision making— case study. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 63, 651-657	3.2	16
311	An integrated artificial neural network-computer simulation for optimization of complex tandem queue systems. <i>Mathematics and Computers in Simulation</i> , 2011 , 82, 666-678	3.3	16
310	Solving a Dynamic Cell Formation Problem with Machine Cost and Alternative Process Plan by Memetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2005 , 213-227	0.9	16
309	Achieving sustainable development of supply chain by incorporating various carbon regulatory mechanisms. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 81, 102253	6.4	15
308	A New Bi-Objective Location-Routing-Inventory Problem with Fuzzy Demands. <i>IFAC-PapersOnLine</i> , 2016 , 49, 1116-1121	0.7	15
307	Extending the solid step fixed-charge transportation problem to consider two-stage networks and multi-item shipments. <i>Computers and Industrial Engineering</i> , 2019 , 137, 106008	6.4	15
306	Two meta-heuristics for solving a new two-machine flowshop scheduling problem with the learning effect and dynamic arrivals. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 65, 771-786	3.2	15
305	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	6.4	15
304	Minimizing the total tardiness and makespan in an open shop scheduling problem with sequence-dependent setup times. <i>Journal of Industrial Engineering International</i> , 2012 , 8, 1	2.6	15
303	Evaluating high risks in large-scale projects using an extended VIKOR method under a fuzzy environment. <i>International Journal of Industrial Engineering Computations</i> , 2012 , 3, 463-476	1.7	15
302	Compromise Ranking Approach with Bootstrap Confidence Intervals for Risk Assessment in Port Management Projects. <i>Journal of Management in Engineering - ASCE</i> , 2013 , 29, 334-344	5.3	15
301	A simulated annealing method for solving a new mathematical model of a multi-criteria cell formation problem with capital constraints. <i>Advances in Engineering Software</i> , 2009 , 40, 268-273	3.6	15
300	A branch-and-bound algorithm for a single machine sequencing to minimize the sum of maximum earliness and tardiness with idle insert. <i>Applied Mathematics and Computation</i> , 2006 , 174, 388-408	2.7	15
299	Competitive green supply chain network design model considering inventory decisions under uncertainty: a real case of a filter company. <i>International Journal of Production Research</i> , 2021 , 59, 4248-4267	7.8	15
298	Minimization of makespan for the single batch-processing machine scheduling problem with considering aging effect and multi-maintenance activities. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 76, 1879-1892	3.2	14

297	Hybrid flexible flowshop scheduling problem with unrelated parallel machines and limited waiting times. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 68, 1583-1599	3.2	14
296	Minimizing the total completion time on a single machine with the learning effect and multiple availability constraints. <i>Applied Mathematical Modelling</i> , 2013 , 37, 3126-3137	4.5	14
295	A new bi-objective vehicle routing-scheduling problem with cross-docking: Mathematical model and algorithms. <i>Computers and Industrial Engineering</i> , 2020 , 149, 106832	6.4	14
294	A novel model for the integrated planning of part quality inspection and preventive maintenance in a linear-deteriorating serial multi-stage manufacturing system. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 96, 3633-3650	3.2	13
293	A novel group decision model based on mean-variance-skewness concepts and interval-valued fuzzy sets for a selection problem of the sustainable warehouse location under uncertainty. <i>Neural Computing and Applications</i> , 2018 , 30, 3277-3293	4.8	13
292	An accelerated Benders decomposition algorithm for reliable facility location problems in multi-echelon networks. <i>Computers and Industrial Engineering</i> , 2018 , 124, 523-534	6.4	13
291	An approach for modeling a new single machine scheduling problem with deteriorating and learning effects. <i>Computers and Industrial Engineering</i> , 2014 , 78, 33-43	6.4	13
290	Incorporating location, routing, and inventory decisions in a bi-objective supply chain design problem with risk-pooling. <i>Journal of Industrial Engineering International</i> , 2013 , 9, 1	2.6	13
289	Solving multi-objective optimization formulation for fleet planning in a railway industry. <i>Annals of Operations Research</i> , 2010 , 181, 185-197	3.2	13
288	A novel FMEA model based on fuzzy multiple-criteria decision-making methods for risk assessment. <i>Journal of Enterprise Information Management</i> , 2020 , 33, 881-904	4.4	13
287	A Multi-criteria Group Decision-Making Approach for Facility Location Selection Using PROMETHEE Under a Fuzzy Environment. <i>Lecture Notes in Business Information Processing</i> , 2015 , 145-156	0.6	12
286	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach. <i>International Journal of Computer Integrated Manufacturing</i> , 2020 , 33, 460-473	4.3	12
285	Design of an integrated model for diagnosis and classification of pediatric acute leukemia using machine learning. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020 , 234, 1051-1069	1.7	12
284	New approach based on group technology for the consolidation problem in cloud computing-mathematical model and genetic algorithm. <i>Computational and Applied Mathematics</i> , 2018 , 37, 693-718		12
283	Prioritizing disaster-prone areas for large-scale earthquakes' preparedness: Methodology and application. <i>Socio-Economic Planning Sciences</i> , 2019 , 67, 9-25	3.7	12
282	Sustainable vehicle routing: Strategies for congestion management and refueling scheduling 2012 ,		12
281	Scheduling trucks in cross docking systems with temporary storage and dock repeat truck holding pattern using GRASP method. <i>International Journal of Industrial Engineering Computations</i> , 2012 , 3, 777-786	1.7	12
280	Partitioning machines in tandem AGV systems based on Balanced flow strategy by simulated annealing. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 38, 355-366	3.2	12

279	A multi-modal competitive hub location pricing problem with customer loyalty and elastic demand. <i>Computers and Operations Research</i> , 2020 , 123, 105048	4.6	12
278	An MCDA-DEA approach for mixed-model assembly line balancing problem under uncertainty. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016 , 30, 2737-2748	1.6	12
277	A hybrid Z-number data envelopment analysis and neural network for assessment of supply chain resilience: a case study. <i>Central European Journal of Operations Research</i> , 2021 , 29, 611-631	2.2	12
276	Incorporating order acceptance, pricing and equity considerations in the scheduling of cloud manufacturing systems: matheuristic methods. <i>International Journal of Production Research</i> , 2021 , 59, 2009-2027	7.8	12
275	A new weighted distance-based approximation methodology for flow shop scheduling group decisions under the interval-valued fuzzy processing time. <i>Applied Soft Computing Journal</i> , 2020 , 91, 106248	7.5	11
274	Green supply chain management using the queuing theory to handle congestion and reduce energy consumption and emissions from supply chain transportation fleet. <i>Journal of Industrial Engineering and Management</i> , 2017 , 10, 213	1.7	11
273	An interval-valued fuzzy statistical group decision making approach with new evaluating indices for sustainable supplier selection problem. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 1855-1866	1.6	11
272	Risk-based reliability assessment under epistemic uncertainty. <i>Journal of Loss Prevention in the Process Industries</i> , 2012 , 25, 571-581	3.5	11
271	A fuzzy possibilistic bi-objective hub covering problem considering production facilities, time horizons and transporter vehicles. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 66, 187-206	3.2	11
270	Solving a new multi-objective hybrid flexible flowshop problem with limited waiting times and machine-sequence-dependent set-up time constraints. <i>International Journal of Computer Integrated Manufacturing</i> , 2014 , 27, 450-469	4.3	11
269	Cyclic scheduling of a robotic flexible cell with load lock and swap. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 1885-1891	6.7	11
268	Two fuzzy possibilistic bi-objective zero-one programming models for outsourcing the equipment maintenance problem. <i>Engineering Optimization</i> , 2012 , 44, 801-820	2	11
267	Solving a new mathematical model for a hybrid flow shop scheduling problem with a processor assignment by a genetic algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 61, 339-349	3.2	11
266	The center location-dependent relocation problem with a probabilistic line barrier. <i>Applied Soft Computing Journal</i> , 2013 , 13, 3380-3391	7.5	11
265	A fuzzy grey model based on the compromise ranking for multi-criteria group decision making problems in manufacturing systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013 , 24, 819-827	1.6	11
264	Solving a bi-objective flowshop scheduling problem by a Multi-objective Immune System and comparing with SPEA2+ and SPGA. <i>Advances in Engineering Software</i> , 2011 , 42, 772-779	3.6	11
263	Simulation-based optimization approach with scenario-based product sequence in a reconfigurable manufacturing system (RMS): A case study. <i>IFAC-PapersOnLine</i> , 2019 , 52, 2638-2643	0.7	11
262	New definition of the cross entropy based on the Dempster-Shafer theory and its application in a decision-making process. <i>Communications in Statistics - Theory and Methods</i> , 2020 , 49, 909-923	0.5	11

261	A bi-objective robust inspection planning model in a multi-stage serial production system. <i>International Journal of Production Research</i> , 2018 , 56, 1432-1457	7.8	11
260	A new robust-possibilistic reliable hub protection model with elastic demands and backup hubs under risk. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 86, 68-82	7.2	10
259	Air and ground ambulance location-allocation-routing problem for designing a temporary emergency management system after a disaster. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020 , 234, 812-828	1.7	10
258	Multi-echelon supply chain design considering unreliable facilities with facility hardening possibility. <i>Applied Mathematical Modelling</i> , 2018 , 62, 321-337	4.5	10
257	Solving a multi-product distribution planning problem in cross docking networks: An imperialist competitive algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 70, 1709-1720	3.2	10
256	A hybrid electromagnetism-like algorithm for dynamic inter/intra-cell layout problem. <i>International Journal of Computer Integrated Manufacturing</i> , 2014 , 27, 501-518	4.3	10
255	Fuzzy bi-objective formulation for a parallel machine scheduling problem with machine eligibility restrictions and sequence-dependent setup times. <i>International Journal of Production Research</i> , 2014 , 52, 5799-5822	7.8	10
254	A hybrid fuzzy approach for the closed-loop supply chain network design under uncertainty. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 28, 2811-2826	1.6	10
253	Cross-docking truck scheduling with the arrival times for inbound trucks and the learning effect for unloading/loading processes. <i>Production and Manufacturing Research</i> , 2014 , 2, 784-804	3.3	10
252	Resource allocation in dynamic PERT networks with finite capacity. <i>European Journal of Operational Research</i> , 2011 , 215, 670-670	5.6	10
251	Solving a multi-criteria group scheduling problem for a cellular manufacturing system by scatter search. <i>Journal of the Chinese Institute of Industrial Engineers</i> , 2011 , 28, 192-205		10
250	A hybrid fuzzy clustering PSO algorithm for a clustering supplier problem 2007 ,		10
249	Home Health Care Routing and Scheduling Problem Considering Temporal Dependencies and Perishability with Simultaneous Pickup and Delivery. <i>IFAC-PapersOnLine</i> , 2019 , 52, 118-123	0.7	10
248	A hybrid of clustering and meta-heuristic algorithms to solve a p-mobile hub location-allocation problem with the depreciation cost of hub facilities. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 98, 104121	7.2	10
247	A new comprehensive possibilistic group decision approach for resilient supplier selection with mean-variance-skewness-kurtosis and asymmetric information under interval-valued fuzzy uncertainty. <i>Neural Computing and Applications</i> , 2019 , 31, 6959-6979	4.8	9
246	Two meta-heuristics for a multi-period minisum location-relocation problem with line restriction. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 71, 1033-1048	3.2	9
245	Robust cold standby redundancy allocation for nonrepairable series-parallel systems through Min-Max regret formulation and Benders decomposition method. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2014 , 228, 254-264	0.8	9
244	A new mathematical model for the Weber location problem with a probabilistic polyhedral barrier. <i>International Journal of Production Research</i> , 2013 , 51, 6110-6128	7.8	9

243	Optimization of a multi-modal tree hub location network with transportation energy consumption: A fuzzy approach. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 30, 43-60	1.6	9
242	A new approach for cell formation and scheduling with assembly operations and product structure. <i>International Journal of Industrial Engineering Computations</i> , 2011 , 2, 533-546	1.7	9
241	A multi-objective imperialist competitive algorithm for a capacitated hub covering location problem. <i>International Journal of Industrial Engineering Computations</i> , 2011 , 671-688	1.7	9
240	Dynamic lot sizing problem with continuous-time Markovian production cost. <i>International Journal of Production Economics</i> , 2009 , 120, 607-612	9.3	9
239	A Discrete Binary Version of the Electromagnetism-Like Heuristic for Solving Traveling Salesman Problem. <i>Lecture Notes in Computer Science</i> , 2008 , 123-130	0.9	9
238	A fuzzy aggregate production planning model for make-to-stock environments 2007 ,		9
237	Production scheduling of open-pit mines using genetic algorithm: a case study. <i>International Journal of Management Science and Engineering Management</i> , 2020 , 15, 176-183	2.8	9
236	A bi-objective Optimization Model for a Dynamic Cell Formation Integrated with Machine and Cell Layouts in a Fuzzy Environment. <i>Fuzzy Information and Engineering</i> , 2020 , 1-19	0.5	9
235	A new bi-objective model of the urban public transportation hub network design under uncertainty. <i>Annals of Operations Research</i> , 2021 , 296, 131-162	3.2	9
234	A Multi-Period Location-Allocation-Inventory Problem for Ambulance and Helicopter Ambulance Stations: Robust Possibilistic Approach. <i>IFAC-PapersOnLine</i> , 2018 , 51, 322-327	0.7	9
233	Pricing decisions in a multiechelon supply chain under a bundling strategy. <i>International Transactions in Operational Research</i> , 2019 , 26, 2096-2128	2.9	8
232	A multi-objective model for designing a group layout of a dynamic cellular manufacturing system. <i>Journal of Industrial Engineering International</i> , 2013 , 9, 1	2.6	8
231	A multi-objective location-allocation problem with lateral transshipment between distribution centres. <i>International Journal of Logistics Systems and Management</i> , 2015 , 22, 464	0.7	8
230	The center location problem with equal weights in the presence of a probabilistic line barrier. <i>International Journal of Industrial Engineering Computations</i> , 2011 , 2, 793-800	1.7	8
229	A Fuzzy Comprehensive Approach for Risk Identification and Prioritization Simultaneously in EPC Projects 2011 ,		8
228	DEVELOPING A HYBRID DATA MINING APPROACH BASED ON MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION FOR SOLVING A TRAVELING SALESMAN PROBLEM. <i>Journal of Business Economics and Management</i> , 2012 , 13, 951-967	2	8
227	A fuzzy random Vehicle Routing Problem: The case of Iran 2009 ,		8
226	Solving a Bi-Criteria Permutation Flow Shop Problem Using Immune Algorithm 2007 ,		8

225	A bi-objective transportation-location arc routing problem. <i>Transportation Letters</i> , 2020 , 12, 623-637	2.1	8
224	A decision support model for robust allocation and routing of search and rescue resources after earthquake: a case study. <i>Operational Research</i> , 2020 , 1	1.6	8
223	A Multi-Objective Scheduling Model for a Cloud Manufacturing System with Pricing, Equity, and Order Rejection. <i>IFAC-PapersOnLine</i> , 2019 , 52, 2177-2182	0.7	8
222	A trade-off between productivity and cost for the integrated part quality inspection and preventive maintenance planning under uncertainty. <i>International Journal of Production Research</i> , 2019 , 57, 5951-5973	7.8	8
221	Solving a new robust green cellular manufacturing problem with environmental issues under uncertainty using Benders decomposition. <i>Engineering Optimization</i> , 2019 , 51, 1229-1250	2	8
220	New mathematical modeling for a location-routing-inventory problem in a multi-period closed-loop supply chain in a car industry. <i>Journal of Industrial Engineering International</i> , 2018 , 14, 537-553	2.6	8
219	Towards a psychologically consistent cellular manufacturing system. <i>International Journal of Production Research</i> , 2017 , 55, 492-518	7.8	7
218	A robust approach for a green periodic competitive VRP under uncertainty: DE and PSO algorithms. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 5213-5225	1.6	7
217	Fuzzy decision analysis for project scope change management. <i>Decision Science Letters</i> , 2017 , 395-406	1.3	7
216	A modified imperialist competitive algorithm for scheduling single batch-processing machine with fuzzy due date. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 85, 2439-2458	3.2	7
215	An archived multi-objective simulated annealing for a dynamic cellular manufacturing system. <i>Journal of Industrial Engineering International</i> , 2014 , 10, 1	2.6	7
214	Solving the economic lot and delivery scheduling problem in a flexible job shop with unrelated parallel machines and a shelf life by a proposed hybrid PSO. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 68, 1401-1416	3.2	7
213	A multi-objective imperialist competitive algorithm for integrating intra-cell layout and processing route reliability in a cellular manufacturing system. <i>International Journal of Computer Integrated Manufacturing</i> , 2017 , 30, 839-855	4.3	7
212	Lead time and ordering cost reductions in budget and storage space restricted probabilistic inventory models with imperfect items. <i>RAIRO - Operations Research</i> , 2015 , 49, 215-242	2.2	7
211	Multi-objective multi-product multi-site aggregate production planning in a supply chain under uncertainty: fuzzy multi-objective optimisation. <i>International Journal of Computer Integrated Manufacturing</i> , 2015 , 1-17	4.3	7
210	A fuzzy solution approach for a multi-objective integrated production-distribution model with multi products and multi periods under uncertainty. <i>Management Science Letters</i> , 2012 , 2, 2425-2434	1	7
209	A stochastic multiobjective multiconstraint inventory model under inflationary condition and different inspection scenarios. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2013 , 227, 1057-1074	2.4	7
208	An imperialist competitive algorithm for a bi-objective parallel machine scheduling problem with load balancing consideration. <i>International Journal of Industrial Engineering Computations</i> , 2013 , 4, 191-202	1.7	7

207	Design of an innovative construction model for supply chain management by measuring agility and cost of quality: An empirical study. <i>Scientia Iranica</i> , 2017 , 24, 2515-2526	1.5	7
206	Solving a novel multi-skilled project scheduling model by scatter search. <i>South African Journal of Industrial Engineering</i> , 2012 , 24, 121	1.7	7
205	A robust bi-objective location-routing model for providing emergency medical services. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2020 , 10, 285-319	2.4	7
204	An integrated quality, maintenance and production model based on the delayed monitoring under the ARMA control chart. <i>Journal of Statistical Computation and Simulation</i> , 2021 , 91, 2645-2669	0.9	7
203	An integrated production inventory routing problem for multi perishable products with fuzzy demands and time windows. <i>IFAC-PapersOnLine</i> , 2019 , 52, 523-528	0.7	7
202	A Multi-Depot Home Care Routing Problem with Time Windows and Fuzzy Demands Solving by Particle Swarm Optimization and Genetic Algorithm. <i>IFAC-PapersOnLine</i> , 2018 , 51, 358-363	0.7	7
201	Multi-objective integrated planning and scheduling model for operating rooms under uncertainty. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018 , 232, 930-948	1.7	7
200	Dispatching Rule Evaluation in Flexible Manufacturing Systems by a New Fuzzy Decision Model with Possibilistic-Statistical Uncertainties. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 2947-2960	2.5	6
199	Optimization of imperfect economic manufacturing models with a power demand rate dependent production rate. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019 , 44, 1	1	6
198	A multi-objective model for the closed-loop supply chain network design with a price-dependent demand, shortage and disruption. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 5261-5272	1.6	6
197	Solving a bi-objective vehicle routing problem under uncertainty by a revised multi-choice goal programming approach. <i>International Journal of Industrial Engineering Computations</i> , 2017 , 283-302	1.7	6
196	Forward and reverse flows pricing decisions for two competing supply chains with common collection centers in an intuitionistic fuzzy environment. <i>Soft Computing</i> , 2019 , 23, 7865-7888	3.5	6
195	Optimizing a multi-objectives flow shop scheduling problem by a novel genetic algorithm. <i>International Journal of Industrial Engineering Computations</i> , 2013 , 4, 345-354	1.7	6
194	A new method for trapezoidal fuzzy numbers ranking based on the Shadow length and its application to manager's risk taking. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 26, 77-89	1.6	6
193	A hybrid meta-heuristic algorithm for the vehicle routing problem with stochastic travel times considering the driver's satisfaction. <i>Journal of Industrial Engineering International</i> , 2012 , 8, 1	2.6	6
192	A two-phase fuzzy programming model for a complex bi-objective no-wait flow shop scheduling. <i>International Journal of Industrial Engineering Computations</i> , 2012 , 3, 617-626	1.7	6
191	The use of a genetic algorithm for clustering the weighing station performance in transportation □ A case study. <i>Expert Systems With Applications</i> , 2011 , 38, 11744-11750	7.8	6
190	Integrated production-inventory-routing problem for multi-perishable products under uncertainty by meta-heuristic algorithms. <i>International Journal of Production Research</i> , 1-21	7.8	6

189	Prioritizing the effective strategies for construction and demolition waste management using fuzzy IDOCRIW and WASPAS methods. <i>Engineering, Construction and Architectural Management</i> , 2021 , ahead-of-print,	3.1	6
188	Fuzzy Dynamic Location-Allocation Problem with Temporary Multi-Medical Centers in Disaster Management. <i>IFAC-PapersOnLine</i> , 2018 , 51, 1554-1560	0.7	6
187	A two-stage multi-objective second generation biodiesel supply chain design considering social sustainability: A case study. <i>Energy</i> , 2021 , 233, 121020	7.9	6
186	Designing a sustainable resilient disaster waste management system under hybrid uncertainty: A case study. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 106, 104459	7.2	6
185	A robust home health care routing-scheduling problem with temporal dependencies under uncertainty. <i>Expert Systems With Applications</i> , 2021 , 182, 115209	7.8	6
184	Meta-heuristics for sustainable supply chain management: a review. <i>International Journal of Production Research</i> , 1-31	7.8	6
183	Service quality-based distributor selection problem: a hybrid approach using fuzzy ART and AHP-FTOPSIS. <i>International Journal of Productivity and Quality Management</i> , 2014 , 13, 157	0.3	5
182	Application of core vector machines for induction motor drive fault diagnosis. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 29, 1-14	1.6	5
181	Solving a novel multi-objective uncapacitated hub location problem by five meta-heuristics. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 28, 2457-2469	1.6	5
180	A new supply chain management method with one-way time window: A hybrid PSO-SA approach. <i>International Journal of Industrial Engineering Computations</i> , 2012 , 3, 241-252	1.7	5
179	A Multi-Objective Mathematical Model for Green Supply Chain Reorganization. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 81-86		5
178	Hierarchical Neural Regression Models for Customer Churn Prediction. <i>Journal of Engineering (United States)</i> , 2013 , 2013, 1-9	1.5	5
177	Imperialistic Competitive Algorithm for Solving a Dynamic Cell Formation Problem with Production Planning. <i>Lecture Notes in Computer Science</i> , 2010 , 266-276	0.9	5
176	A genetic algorithm-based grouping method for a cell formation problem with the efficacy measure. <i>International Journal of Industrial and Systems Engineering</i> , 2010 , 6, 340	0.4	5
175	A multi-product pricing and inventory model with production rate proportional to power demand rate. <i>Advances in Production Engineering and Management</i> , 2019 , 14, 112-124	2.5	5
174	A capacitated bike sharing location-allocation problem under demand uncertainty using sample average approximation: A greedy Genetic-Particle Swarm Optimization algorithm. <i>Scientia Iranica</i> , 2017 , 24, 2567-2580	1.5	5
173	A new enhanced support vector model based on general variable neighborhood search algorithm for supplier performance evaluation: A case study. <i>International Journal of Computational Intelligence Systems</i> , 2017 , 10, 293	3.4	5
172	A DIFFERENTIAL EVOLUTION ALGORITHM DEVELOPED FOR A NURSE SCHEDULING PROBLEM. <i>South African Journal of Industrial Engineering</i> , 2012 , 23, 68	1.7	5

171	A hybrid learning-based meta-heuristic algorithm for scheduling of an additive manufacturing system consisting of parallel SLM machines. <i>International Journal of Production Research</i> ,1-21	7.8	5
170	A heuristic-based simulated annealing algorithm for the scheduling of relief teams in natural disasters. <i>Soft Computing</i> , 2022 , 26, 1825	3.5	5
169	Bi-objective build-to-order supply chain network design under uncertainty and time-dependent demand: An automobile case study. <i>Computers and Industrial Engineering</i> , 2021 , 154, 107126	6.4	5
168	Mixed-integer linear programming model for tree-like pipeline scheduling problem with intermediate due dates on demands. <i>Operational Research</i> , 2020 , 20, 399-425	1.6	5
167	Determining the price and refund of products in a supply chain with quality and advertising costs in a fuzzy environment. <i>Soft Computing</i> , 2021 , 25, 2351-2370	3.5	5
166	A green multi-facilities open location-routing problem with planar facility locations and uncertain customer. <i>Journal of Cleaner Production</i> , 2021 , 282, 124343	10.3	5
165	A mathematical model to design dynamic cellular manufacturing systems in multiple plants with production planning and location allocation decisions. <i>Soft Computing</i> , 2021 , 25, 3931-3954	3.5	5
164	A multi-verse optimizer algorithm for ambulance repositioning in emergency medical service systems. <i>Journal of Ambient Intelligence and Humanized Computing</i> ,1	3.7	5
163	A note on On three-machine flow shop scheduling with deteriorating jobs <i>International Journal of Production Economics</i> , 2017 , 191, 250-252	9.3	4
162	An Interval-Valued Hesitant Fuzzy TOPSIS Method to Determine the Criteria Weights. <i>Lecture Notes in Business Information Processing</i> , 2015 , 157-169	0.6	4
161	Pricing and market segmentation in an uncertain supply chain. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020 , 45, 1	1	4
160	A Markov decision process for modeling adverse drug reactions in medication treatment of type 2 diabetes. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019 , 233, 793-811	1.7	4
159	Optimal Design of the Cross-docking in Distribution Networks: Heuristic Solution Approach. <i>International Journal of Engineering, Transactions B: Applications</i> , 2014 , 27,	1.9	4
158	Modelling and solving of a lot sizing problem for multiple items and multiple periods with shortage. <i>International Journal of Services and Operations Management</i> , 2015 , 20, 102	0.4	4
157	A network design model considering inventory cost from a third party logistics perspective. <i>International Journal of Management Science and Engineering Management</i> , 2012 , 7, 29-35	2.8	4
156	Using the Analytical Network Process to Select the Best Strategy for Reducing Risks in a Supply Chain. <i>Journal of Engineering (United States)</i> , 2013 , 2013, 1-9	1.5	4
155	An integrated approach for risk-assessment analysis in a manufacturing process using FMEA and DES 2011 ,		4
154	A fuzzy multi-objective tabu-search method for a new bi-objective open shop scheduling problem 2009 ,		4

153	A series-parallel redundant reliability system for cellular manufacturing design. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2009 , 223, 233-250	0.8	4
152	A New Branch-and-Bound Algorithm for the Unrelated Parallel Machine Scheduling Problem with Sequence-Dependent Setup Times. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 792-797		4
151	2008 ,		4
150	A new mathematical model for a distribution network problem in a multi-product supply chain system: a real-case study. <i>International Journal of Manufacturing Technology and Management</i> , 2008 , 15, 1	0.4	4
149	A Memetic Algorithm for Multi-Criteria Sequencing Problem for a Mixed-Model Assembly Line in a JIT Production System		4
148	An Evolutionary Algorithm for a Single-Item Resource-Constrained Aggregate Production Planning Problem		4
147	A hybrid intelligent algorithm for a fuzzy multi-objective job shop scheduling problem with reentrant workflows and parallel machines. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 39, 7769-7785 ^{1.6}		4
146	Optimizing Number and Locations of Alternative-Fuel Stations Using a Multi-Criteria Approach. <i>Engineering, Technology & Applied Science Research</i> , 2019 , 9, 3715-3720	1	4
145	A Bi-objective Scheduling Model for Additive Manufacturing with Multiple Materials and Sequence-Dependent Setup Time. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 451-459	0.5	4
144	A cluster-based emergency vehicle routing problem in disaster with reliability. <i>Scientia Iranica</i> , 2017 , 0-0	1.5	4
143	In-port multi-ship routing and scheduling problem with draft limits. <i>Maritime Policy and Management</i> , 2020 , 1-22	2.5	4
142	A robust location-arc routing problem under uncertainty: mathematical model with lower and upper bounds. <i>Computational and Applied Mathematics</i> , 2020 , 39, 1	2.4	4
141	Simultaneous waterway scheduling, berth allocation, and quay crane assignment: A novel matheuristic approach. <i>International Journal of Production Research</i> , 2020 , 1-18	7.8	4
140	Solving a new robust reverse job shop scheduling problem by meta-heuristic algorithms. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 101, 104207	7.2	4
139	Channel coordination and profit distribution in a three-echelon supply chain considering social responsibility and product returns. <i>Environment, Development and Sustainability</i> , 1	4.5	4
138	A routing and scheduling problem for cross-docking networks with perishable products, heterogeneous vehicles and split delivery. <i>Computers and Industrial Engineering</i> , 2021 , 157, 107299	6.4	4
137	A Bi-Level Bi-Objective Mathematical Model for Stop Location in a School Bus Routing Problem. <i>IFAC-PapersOnLine</i> , 2019 , 52, 1120-1125	0.7	4
136	A New Sustainable Location-Routing Problem with Simultaneous Pickup and Delivery by Two-Compartment Vehicles for a Perishable Product Considering Circular Economy. <i>IFAC-PapersOnLine</i> , 2019 , 52, 790-795	0.7	4

135	Bi-objective inventory routing problem with backhauls under transportation risks: two meta-heuristics. <i>Transportation Letters</i> , 2020 , 12, 113-129	2.1	4
134	Post-disaster reconstruction supply chain: Empirical optimization study. <i>Automation in Construction</i> , 2021 , 129, 103811	9.6	4
133	Optimizing a vendor managed inventory (VMI) model considering delivering cost in a three-echelon supply chain using two tuned-parameter meta-heuristics. <i>International Journal of Systems Assurance Engineering and Management</i> , 2015 , 6, 500-510	1.3	3
132	Educational demographics: a system dynamics model for human resource management. <i>International Journal of Systems Assurance Engineering and Management</i> , 2020 , 11, 662-676	1.3	3
131	A note on Minimizing makespan in three machine flow shop with deteriorating jobs. <i>Computers and Operations Research</i> , 2016 , 72, 93-96	4.6	3
130	A bi-objective location-allocation problem of temporary emergency stations and ambulance routing in a disaster situation 2018 ,		3
129	A mathematical model for assessing the effects of a lot splitting feature on a dynamic cellular manufacturing system. <i>Production Engineering</i> , 2017 , 11, 557-573	1.9	3
128	A Warfare Inspired Optimization Algorithm: The Find-Fix-Finish-Exploit-Analyze (F3EA) Metaheuristic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 393-408	0.4	3
127	Hybrid metaheuristics for solving a fuzzy single batch-processing machine scheduling problem. <i>Scientific World Journal, The</i> , 2014 , 2014, 214615	2.2	3
126	Designing a multi-echelon supply chain network: A car manufacturer case study. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 27, 2897-2914	1.6	3
125	Solving a multi-objective chance-constrained hub covering location problem by discrete invasive weed optimization. <i>Cogent Engineering</i> , 2014 , 1, 991526	1.5	3
124	2009 ,		3
123	SOLVING A SINGLE MACHINE SCHEDULING PROBLEM BY A DISCRETE VERSION OF ELECTROMAGNETISM-LIKE METHOD. <i>Journal of Circuits, Systems and Computers</i> , 2009 , 18, 1597-1608	0.9	3
122	A New Mathematical Model for Fuzzy Flexible Flow Shop Scheduling of Unrelated Parallel Machines Maximizing the Weighted Satisfaction Level. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 798-803		3
121	Solving an Open Shop Scheduling Problem by a Novel Hybrid Multi-Objective Ant Colony Optimization 2008 ,		3
120	A New Application of Coordination Contracts for Supplier Selection in a Cloud Environment. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 197-205	0.5	3
119	A new bi-objective model for a closed-loop supply chain problem with inventory and transportation times. <i>Scientia Iranica</i> , 2016 , 23, 1441-1458	1.5	3
118	QUANTITATIVE AND QUALITATIVE METHODS IN RISK-BASED RELIABILITY ASSESSING UNDER EPISTEMIC UNCERTAINTY. <i>South African Journal of Industrial Engineering</i> , 2012 , 23,	1.7	3

117	Developing a green and bipolar fuzzy inventory-routing model in agri-food reverse logistics with postharvest behavior. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 41071-41088	5.1	3
116	A competitive pharmaceutical supply chain under the marketing mix strategies and product life cycle with a fuzzy stochastic demand. <i>Annals of Operations Research</i> ,1	3.2	3
115	A simulation-optimization algorithm for return strategies in emergency medical systems. <i>Simulation</i> , 2021 , 97, 565-588	1.2	3
114	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> ,1	2.5	3
113	Distributed job-shop rescheduling problem considering reconfigurability of machines: a self-adaptive hybrid equilibrium optimiser. <i>International Journal of Production Research</i> ,1-22	7.8	3
112	Design of a Reliable Bi-objective Relief Routing Network in the Earthquake Response Phase. <i>Procedia Computer Science</i> , 2016 , 102, 74-81	1.6	3
111	Prioritizing Surgical Cancellation Factors Based on a Fuzzy Best-Worst Method: A Case Study. <i>IFAC-PapersOnLine</i> , 2019 , 52, 112-117	0.7	3
110	A Multi-Depot Close and Open Vehicle Routing Problem with Heterogeneous Vehicles 2019 ,		3
109	Agile two-stage lot-sizing and scheduling problem with reliability, customer satisfaction and behaviour under uncertainty: a hybrid metaheuristic algorithm. <i>Engineering Optimization</i> , 2020 , 52, 1323 ² 1343 ³		3
108	Layout optimization of injection process by considering integrated resilience engineering: a fuzzy-DEA approach. <i>International Journal of Modelling and Simulation</i> , 2021 , 41, 52-66	1.5	3
107	Postdisaster Relief Distribution Network Design Under Disruption Risk: A Tour Covering Location-Routing Approach 2018 , 393-406		3
106	Bertrand competition for a cellular manufacturing system. <i>International Journal of Computer Integrated Manufacturing</i> , 2017 , 30, 1224-1238	4.3	2
105	Two calibrated meta-heuristics to solve an integrated scheduling problem of production and air transportation with the interval due date. <i>Soft Computing</i> , 2020 , 24, 16383-16411	3.5	2
104	Uncertain production scheduling optimization in open-pit mines and its ellipsoidal robust counterpart. <i>International Journal of Management Science and Engineering Management</i> , 2018 , 1-9	2.8	2
103	Solving a multi-objective train makeup model with locomotive limitation by using a firefly algorithm: A case study. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018 , 232, 1483-1499	1.4	2
102	A new multi-objective model for a capacitated hub covering problem solving by two multi-objective evolutionary algorithms. <i>International Journal of Mathematics in Operational Research</i> , 2016 , 9, 99	0.8	2
101	Multi-objective interior search algorithm for optimization: A new multi-objective meta-heuristic algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 35, 3307-3319	1.6	2
100	A new mathematical model for a multi-product location-arc routing problem 2018 ,		2

99	A Network-Based Data Envelope Analysis Model in a Dynamic Balanced Score Card. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-13	1.1	2
98	Redundancy Resource Allocation for Reliable Project Scheduling: A Game-theoretical Approach. <i>Procedia Computer Science</i> , 2015 , 64, 265-273	1.6	2
97	A stochastic approach for a novel p-hub location-allocation problem with opening and reopening modes. <i>International Journal of Business Performance and Supply Chain Modelling</i> , 2015 , 7, 305	0.6	2
96	Scheduling trucks in cross docking systems with temporary storage and dock repeat truck holding pattern using genetic algorithm. <i>Management Science Letters</i> , 2013 , 3, 603-612	1	2
95	A new single machine scheduling problem with setup time, job deterioration and maintenance costs. <i>International Journal of Management Science and Engineering Management</i> , 2011 , 6, 284-291	2.8	2
94	An extension of the relaxation algorithm for solving a special case of capacitated arc routing problems. <i>Journal of Combinatorial Optimization</i> , 2009 , 17, 214-234	0.9	2
93	Designing a fuzzy system for controlling the armament fire in dynamic siege. <i>Expert Systems With Applications</i> , 2009 , 36, 11691-11698	7.8	2
92	A simple and effective heuristic for periodic vehicle routing problem 2008 ,		2
91	Minimization of weighted tardiness and makespan in an open shop environment by a novel hybrid multi-objective meta-heuristic method 2008 ,		2
90	Solving a new mathematical model of a closed-loop layout problem with unequal-sized facilities by a genetic algorithm 2007 ,		2
89	A discrete-time approximation technique for the time-cost trade-off in PERT networks. <i>RAIRO - Operations Research</i> , 2007 , 41, 61-81	2.2	2
88	An integrated approach for evaluating and improving the performance of surgical theaters with resilience engineering.. <i>Computers in Biology and Medicine</i> , 2021 , 141, 105148	7	2
87	Integrated Forward-reverse Logistics Network Design under Uncertainty and Reliability Consideration. <i>Scientia Iranica</i> , 2016 , 23, 721-735	1.5	2
86	Resilient Network Design in a Location-Allocation Problem with Multi-Level Facility Hardening. <i>Scientia Iranica</i> , 2018 , 0-0	1.5	2
85	Interval-Valued Uncertainty Based on Entropy and DempsterShafer Theory. <i>Journal of Statistical Theory and Applications</i> , 2018 , 17, 627	2.1	2
84	2020 ,		2
83	An Improvement in Master Surgical Scheduling Using Artificial Neural Network and Fuzzy Programming Approach. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 254-262	0.5	2
82	Dynamic Distributed Job-Shop Scheduling Problem Consisting of Reconfigurable Machine Tools. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 460-468	0.5	2

81	Scenario-Based Location Arc Routing Problems: Introducing Mathematical Models 2018 , 511-521		2
80	An Efficient Genetic Algorithm For Two-stage Hybrid Flow Shop Scheduling With Preemption And Sequence Dependent Setup Time. <i>Journal of Mathematics and Computer Science</i> , 2013 , 06, 251-259	2.6	2
79	Modelling and solving the bi-objective production transportation problem with time windows and social sustainability. <i>IMA Journal of Management Mathematics</i> ,	1.4	2
78	An optimization model for evacuating people with disability in extreme disaster conditions: A case study. <i>Scientia Iranica</i> , 2021 , 0-0	1.5	2
77	Integration of Facility Location and Hypercube Queuing Models in Emergency Medical Systems. <i>Journal of Systems Science and Systems Engineering</i> , 2021 , 30, 495	1.2	2
76	Sustainable EOQ and EPQ models for a two-echelon multi-product supply chain with return policy. <i>Environment, Development and Sustainability</i> ,1	4.5	2
75	2016 ,		2
74	Integrated Waterway Scheduling, Berth Allocation and Quay Crane Assignment Problem by Using a Hybrid Flow Shop Concept 2019 ,		2
73	A Tailored Fuzzy Simulation Integrated with a Fuzzy DEA Method for a Resilient Facility Layout Problem: A Case Study of a Refrigerator Injection Process. <i>IFAC-PapersOnLine</i> , 2019 , 52, 541-546	0.7	2
72	Designing a model for service facility protection with a time horizon based on tri-level programming. <i>Engineering Optimization</i> , 2020 , 52, 90-105	2	2
71	Scheduling of Parallel 3D-Printing Machines with Incompatible Job Families: A Matheuristic Algorithm. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 51-61	0.5	2
70	A New Approach to Integrate Resilience Engineering and Business Process Reengineering Design 2018 ,		2
69	An Approximation Approach for an Integrated Part Quality Inspection and Preventive Maintenance Planning in a Nonlinear Deteriorating Serial Multi-stage Manufacturing System. <i>IFAC-PapersOnLine</i> , 2018 , 51, 270-275	0.7	2
68	An integrated cellular manufacturing system with type-2 fuzzy variables: Three tuned meta-heuristic algorithms. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 35, 2293-2308	1.6	2
67	A novel two-stage approach for solving a bi-objective facility layout problem. <i>International Journal of Operational Research</i> , 2018 , 31, 49	0.9	2
66	A new robust optimization model for relief logistics planning under uncertainty: a real-case study. <i>Soft Computing</i> , 2022 , 26, 3883-3901	3.5	2
65	Post-Disaster Temporary Shelters Distribution after a Large-Scale Disaster: An Integrated Model. <i>Buildings</i> , 2022 , 12, 414	3.2	2
64	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

63	A Robust Optimization Model for Joint Maintenance and Build-To-Order Supply Chain Under Uncertainties: A Case Study 2019 ,		1
62	Fuzzy multi-objective supply chain master planning in a wood and paper industry: A case study. <i>IFAC-PapersOnLine</i> , 2016 , 49, 1632-1637	0.7	1
61	Vehicle sharing system with fleet sizing and multi-transportation modes under allowable shortages: a hybrid metaheuristic approach. <i>Transportation Planning and Technology</i> , 2016 , 39, 300-317	1.6	1
60	A DNA Algorithm for Solving Vehicle Routing Problem 2014 ,		1
59	Multi-objective optimization of the competitive supply chain network design based on a huff model 2017 ,		1
58	Design of a dynamic bi-objective relief routing network in the earthquake response phase 2014 ,		1
57	Designing the Retouch Line in an Automobile Factory using a Simulation-based Optimization Technique; A Real Case Study. <i>Procedia, Social and Behavioral Sciences</i> , 2012 , 62, 995-1000		1
56	A fuzzy mixed integer linear programming model for integrating procurement-production-distribution planning in supply chain. <i>International Journal of Industrial Engineering Computations</i> , 2012 , 3, 403-412	1.7	1
55	Improving performance of customer relationship management by knowledge management [A case study 2013 ,		1
54	A Hybrid Simulated Annealing Algorithm for Location of Cross-Docking Centers in a Supply Chain. <i>Lecture Notes in Computer Science</i> , 2013 , 12-21	0.9	1
53	A multi-objective identical parallel machine scheduling with setup and removal times with deteriorating and learning effects 2011 ,		1
52	Multi-objective Particle Swarm Optimization for Sequencing and Scheduling a Cellular Manufacturing System. <i>Communications in Computer and Information Science</i> , 2010 , 69-75	0.3	1
51	A New Hybrid Multi-objective Pareto Archive PSO Algorithm for a Classic Job Shop Scheduling Problem with Ready Times. <i>Communications in Computer and Information Science</i> , 2010 , 61-68	0.3	1
50	Genetic and hybrid shuffled frog leaping algorithms for solving a 2-stage model for a hub covering location network 2011 ,		1
49	An economic lot and delivery scheduling problem with the fuzzy shelf life in a flexible job shop with unrelated parallel machines. <i>International Journal of Industrial Engineering Computations</i> , 2012 , 3, 663-680	1.7	1
48	SCHEDULING OF FLEXIBLE FLOW LINES WITH BLOCKING BY MEMETIC ALGORITHMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 21-26		1
47	A GENERALIZED CELL FORMATION PROBLEM IN DYNAMIC ENVIRONMENT WITH DIFFERENT INTER and INTRA-CELL BATCH SIZES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 401-406		1
46	Allocation of parts to cells, minimising tardiness and idle time by simulated annealing. <i>International Journal of Manufacturing Technology and Management</i> , 2005 , 7, 581	0.4	1

45	Search in forest optimizer: a bioinspired metaheuristic algorithm for global optimization problems. <i>Soft Computing</i> , 2022 , 26, 2325	3.5	1
44	Bi-objective collaborative electric vehicle routing problem: mathematical modeling and matheuristic approach. <i>Journal of Ambient Intelligence and Humanized Computing</i> ,1	3.7	1
43	Designing a clinical decision support system for Alzheimer's diagnosis on OASIS-3 data set. <i>Biomedical Signal Processing and Control</i> , 2022 , 74, 103527	4.9	1
42	Simulation of the COVID-19 patient flow and investigation of the future patient arrival using a time-series prediction model: a real-case study.. <i>Medical and Biological Engineering and Computing</i> , 2022 , 60, 969	3.1	1
41	Solving a Discounted Closed-Loop Supply Chain Network Design Problem by Recent Metaheuristics. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 3-24	0.4	1
40	REBALANCING STATIC BIKE-SHARING SYSTEMS: A TWO-PERIOD TWO-COMMODITY MULTI-DEPOT MATHEMATICAL MODEL. <i>Transport</i> , 2018 , 33, 718-726	1.4	1
39	An Efficient Imperialism Competitive Algorithm for a Reliable Hub Covering Location Problem. <i>International Journal of Machine Learning and Computing</i> , 2015 , 5, 40-43	1.8	1
38	A Comparison of Three Meta-heuristics for a Closed-Loop Layout Problem with Unequal-Sized Facilities. <i>Studies in Computational Intelligence</i> , 2008 , 265-278	0.8	1
37	An integrative location-allocation model for humanitarian logistics with distributive injustice and dissatisfaction under uncertainty. <i>Annals of Operations Research</i> ,1	3.2	1
36	Sustainable facility relocation in agriculture systems using the GIS and best-worst method. <i>Kybernetes</i> , 2021 , ahead-of-print,	2	1
35	Energy-Aware Permutation Flow Shop Scheduling Problem Considering the Inventory, Tardiness and Energy Costs 2019 ,		1
34	Location Optimization of Gas Power Plants by a Z-Number Data Envelopment Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 926-936	0.4	1
33	Integration of parts scheduling, MRP, production planning and generalized fixed-charge transportation planning in the design of a dynamic cellular manufacturing system. <i>RAIRO - Operations Research</i> , 2021 , 55, S1875-S1912	2.2	1
32	A data-driven multi-criteria decision-making approach for assessing new product conceptual designs. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> ,095440542199141	2.4	1
31	A new technology acceptance model: a mixed-method of grounded theory and system dynamics. <i>Kybernetes</i> , 2021 , ahead-of-print,	2	1
30	Robust Periodic Vehicle Routing Problem with Time Windows under Uncertainty: An Efficient Algorithm. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 4626-4634	1.9	1
29	Hybridization of an interactive fuzzy methodology with a lexicographic min-max approach for optimizing a multi-period multi-product multi-echelon sustainable closed-loop supply chain network. <i>Computers and Industrial Engineering</i> , 2021 , 158, 107282	6.4	1
28	Learning-based dynamic ticket pricing for passenger railway service providers. <i>Engineering Optimization</i> ,1-15	2	1

27	Sustainable negotiation-based nesting and scheduling in additive manufacturing systems: A case study and multi-objective meta-heuristic algorithms. <i>Engineering Applications of Artificial Intelligence</i> , 2022 , 112, 104836	7.2	1
26	Solving a parallel-line capacitated lot-sizing and scheduling problem with sequence-dependent setup time/cost and preventive maintenance by a rolling horizon method. <i>Computers and Industrial Engineering</i> , 2022 , 168, 108041	6.4	1
25	Desensitized control charts with operational importance for autocorrelated processes. <i>Quality Technology and Quantitative Management</i> , 1-27	1.9	1
24	An intelligent algorithm to evaluate and improve the performance of a home healthcare center considering trust indicators. <i>Computers in Biology and Medicine</i> , 2022 , 146, 105656	7	1
23	An integrated approach to open-pit mines production scheduling. <i>Resources Policy</i> , 2022 , 75, 102459	7.2	0
22	A systems approach to improve reliability of a contract by Modularising contract information flow architecture: a new contribution to risk mitigation in projects management. <i>Enterprise Information Systems</i> , 1-41	3.5	0
21	Solving a hub location-routing problem with a queue system under social responsibility by a fuzzy meta-heuristic algorithm. <i>Annals of Operations Research</i> , 1	3.2	0
20	Sustainable Design for a Bi-level Transportation-Location-Vehicle Routing Scheduling Problem in a Perishable Product Supply Chain. <i>Studies in Computational Intelligence</i> , 2019 , 308-321	0.8	0
19	Home Healthcare Routing and Scheduling Problem During the COVID-19 Pandemic. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 373-382	0.5	0
18	Optimization of a television advertisement scheduling problem by multi-criteria decision making and dispatching rules. <i>Multimedia Tools and Applications</i> , 2022 , 81, 11755-11772	2.5	0
17	A new fuzzy tri-objective model for a home health care problem with green ambulance routing and congestion under uncertainty. <i>Expert Systems With Applications</i> , 2022 , 117093	7.8	0
16	Sustainable High-Tech Brick Production with Energy-Oriented Consumption: An Integrated Possibilistic Approach Based on Criteria Interdependencies. <i>Sustainability</i> , 2022 , 14, 202	3.6	0
15	Availability optimisation of multi-state series-parallel systems with human failures. <i>International Journal of Industrial and Systems Engineering</i> , 2018 , 29, 127	0.4	
14	Operational Research. <i>Journal of Applied Mathematics</i> , 2013 , 2013, 1-2	1.1	
13	FINITE HORIZON ELSP IN FLEXIBLE FLOW LINES WITH UNRELATED PARALLEL MACHINES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 139-144		
12	Scheduling Piecewise Linear Deteriorating Jobs to Minimize Makespan in a Two-Machine Flowshop. <i>SN Operations Research Forum</i> , 2021 , 2, 1	0.5	
11	Solving a new bi-objective multi-echelon supply chain problem with a Jackson open-network issue under uncertainty. <i>Soft Computing</i> , 1	3.5	
10	Location-Pricing Problem in the Closed-Loop Supply Chain Network Design Under Uncertainty. <i>Studies in Computational Intelligence</i> , 2019 , 360-371	0.8	

9	Fuzzy Goal Programming Based on a Taylor Series for a Pharmaceutical Supply Chain with a Marketing Mix Strategy and Product Life Cycle. <i>Ecoproduction</i> , 2020 , 395-406	0.5
8	Robust Modeling of Acceptance Control Chart to Specify Best Design Parameters. <i>Studies in Fuzziness and Soft Computing</i> , 2021 , 321-332	0.7
7	Lagrangian Dual Decomposition for Two-Echelon Reliable Facility Location Problems with Facility Disruptions. <i>Ecoproduction</i> , 2020 , 363-379	0.5
6	Proposed a Novel Group Scheduling Problem in a Cellular Manufacturing System 2013 , 843-853	
5	A multi-functional tri-objective mathematical model for the pharmaceutical supply chain considering congestion of drugs in factories. <i>Research in Transportation Economics</i> , 2021 , 101094	2.4
4	Sustainable Facility Location-Routing Problem for Blood Package Delivery by Drones with a Charging Station. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 3-14	0.5
3	A combinatorial auction-based approach for ridesharing in a student transportation system. <i>Networks</i> , 2021 , 78, 229-247	1.6
2	Integrated Workforce Allocation and Scheduling in a Reconfigurable Manufacturing System Considering Cloud Manufacturing. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 535-543	0.5
1	Integrated configuration design and capacity planning in a dynamic cloud manufacturing system. <i>International Journal of Production Research</i> , 1-22	7.8