

# Mostafa Zandieh

## List of Publications by Year in descending order

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172  
papers

6,910  
citations

44042

48  
h-index

76872

74  
g-index

175  
all docs

175  
docs citations

175  
times ranked

3857  
citing authors

#	ARTICLE	IF	CITATIONS
1	An artificial immune algorithm for the flexible job-shop scheduling problem. <i>Future Generation Computer Systems</i> , 2010, 26, 533-541.	4.9	227
2	An immune algorithm approach to hybrid flow shops scheduling with sequence-dependent setup times. <i>Applied Mathematics and Computation</i> , 2006, 180, 111-127.	1.4	198
3	Flexible job-shop scheduling with parallel variable neighborhood search algorithm. <i>Expert Systems With Applications</i> , 2010, 37, 678-687.	4.4	197
4	A multi objective optimization approach for flexible job shop scheduling problem under random machine breakdown by evolutionary algorithms. <i>Computers and Operations Research</i> , 2016, 73, 56-66.	2.4	167
5	Multi-objective scheduling of dynamic job shop using variable neighborhood search. <i>Expert Systems With Applications</i> , 2010, 37, 282-287.	4.4	153
6	An improved simulated annealing for hybrid flowshops with sequence-dependent setup and transportation times to minimize total completion time and total tardiness. <i>Expert Systems With Applications</i> , 2009, 36, 9625-9633.	4.4	151
7	Scheduling trucks in cross-docking systems: Robust meta-heuristics. <i>Computers and Industrial Engineering</i> , 2010, 58, 12-24.	3.4	148
8	A new biogeography-based optimization (BBO) algorithm for the flexible job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 58, 1115-1129.	1.5	129
9	Bi-objective group scheduling in hybrid flexible flowshop: A multi-phase approach. <i>Expert Systems With Applications</i> , 2010, 37, 4024-4032.	4.4	124
10	Bi-objective optimization research on integrated fixed time interval preventive maintenance and production for scheduling flexible job-shop problem. <i>Expert Systems With Applications</i> , 2011, 38, 7169-7178.	4.4	123
11	A novel imperialist competitive algorithm for bi-criteria scheduling of the assembly flowshop problem. <i>International Journal of Production Research</i> , 2011, 49, 3087-3103.	4.9	122
12	Flexible job shop scheduling under condition-based maintenance: Improved version of imperialist competitive algorithm. <i>Applied Soft Computing Journal</i> , 2017, 58, 449-464.	4.1	117
13	A multi-phase covering Pareto-optimal front method to multi-objective scheduling in a realistic hybrid flowshop using a hybrid metaheuristic. <i>Expert Systems With Applications</i> , 2009, 36, 11057-11069.	4.4	116
14	Parallel-machine scheduling problems with sequence-dependent setup times using an ACO, SA and VNS hybrid algorithm. <i>Expert Systems With Applications</i> , 2009, 36, 9637-9644.	4.4	115
15	A discrete colonial competitive algorithm for hybrid flowshop scheduling to minimize earliness and quadratic tardiness penalties. <i>Expert Systems With Applications</i> , 2011, 38, 14490-14498.	4.4	115
16	An adaptive multi-population genetic algorithm to solve the multi-objective group scheduling problem in hybrid flexible flowshop with sequence-dependent setup times. <i>Journal of Intelligent Manufacturing</i> , 2011, 22, 979-989.	4.4	109
17	Meta-heuristics implementation for scheduling of trucks in a cross-docking system with temporary storage. <i>Expert Systems With Applications</i> , 2011, 38, 1964-1979.	4.4	107
18	Integrating simulation and genetic algorithm to schedule a dynamic flexible job shop. <i>Journal of Intelligent Manufacturing</i> , 2009, 20, 481-498.	4.4	96

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19	Bi-objective partial flexible job shop scheduling problem: NSGA-II, NPGA, MOGA and PAES approaches. International Journal of Production Research, 2012, 50, 7327-7342.	4.9	96
20	Algorithms for a realistic variant of flowshop scheduling. Computers and Operations Research, 2010, 37, 236-246.	2.4	90
21	Enhanced intelligent water drops and cuckoo search algorithms for solving the capacitated vehicle routing problem. Information Sciences, 2016, 334-335, 354-378.	4.0	89
22	A multi criteria decision making framework for sustainability assessment of bioenergy production technologies with hesitant fuzzy linguistic term sets: The case of Iran. Renewable and Sustainable Energy Reviews, 2017, 77, 1130-1145.	8.2	88
23	A study on integrating sequence dependent setup time flexible flow lines and preventive maintenance scheduling. Journal of Intelligent Manufacturing, 2009, 20, 683-694.	4.4	83
24	Cloud theory-based simulated annealing approach for scheduling in the two-stage assembly flowshop. Advances in Engineering Software, 2010, 41, 1238-1243.	1.8	83
25	Scheduling hybrid flow shop with sequence-dependent setup times and machines with random breakdowns. International Journal of Advanced Manufacturing Technology, 2009, 42, 189-201.	1.5	81
26	Scheduling hybrid flowshops with sequence dependent setup times to minimize makespan and maximum tardiness. International Journal of Advanced Manufacturing Technology, 2009, 41, 1186-1198.	1.5	80
27	Robust bi-level optimization for green opportunistic supply chain network design problem against uncertainty and environmental risk. Computers and Industrial Engineering, 2017, 107, 301-312.	3.4	74
28	An immune algorithm for scheduling a hybrid flow shop with sequence-dependent setup times and machines with random breakdowns. International Journal of Production Research, 2009, 47, 6999-7027.	4.9	73
29	Extension of the ELECTRE method for decision-making problems with interval weights and data. International Journal of Advanced Manufacturing Technology, 2010, 50, 793-800.	1.5	73
30	A multi-criteria cross-docking scheduling with just-in-time approach. International Journal of Advanced Manufacturing Technology, 2010, 49, 741-756.	1.5	72
31	Scheduling sequence-dependent setup time job shops with preventive maintenance. International Journal of Advanced Manufacturing Technology, 2009, 43, 170-181.	1.5	69
32	Balancing of stochastic U-type assembly lines: an imperialist competitive algorithm. International Journal of Advanced Manufacturing Technology, 2011, 54, 271-285.	1.5	69
33	Bi-criteria flexible job-shop scheduling with sequence-dependent setup timesâ€”Variable neighborhood search approach. Journal of Manufacturing Systems, 2011, 30, 8-15.	7.6	69
34	A simulated annealing algorithm approach to hybrid flow shop scheduling with sequence-dependent setup times. Journal of Intelligent Manufacturing, 2011, 22, 965-978.	4.4	66
35	A simulated annealing algorithm for balancing the assembly line type II problem with sequence-dependent setup times between tasks. International Journal of Production Research, 2011, 49, 805-825.	4.9	65
36	A hybrid multi-criteria decision-making model for firms competence evaluation. Expert Systems With Applications, 2009, 36, 12314-12322.	4.4	64

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37	Two novel FMCDM methods for alternative-fuel buses selection. <i>Applied Mathematical Modelling</i> , 2011, 35, 1396-1412.	2.2	64
38	A variable neighbourhood search algorithm for the flexible job-shop scheduling problem. <i>International Journal of Production Research</i> , 2010, 48, 5671-5689.	4.9	61
39	Dynamic job shop scheduling using variable neighbourhood search. <i>International Journal of Production Research</i> , 2010, 48, 2449-2458.	4.9	60
40	An improved hybrid multi-objective parallel genetic algorithm for hybrid flow shop scheduling with unrelated parallel machines. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 49, 1129-1139.	1.5	58
41	An integrated eigenvectorâ€œDEAâ€œTOPSIS methodology for portfolio risk evaluation in the FOREX spot market. <i>Expert Systems With Applications</i> , 2010, 37, 509-516.	4.4	58
42	Scheduling open shops with parallel machines to minimize total completion time. <i>Journal of Computational and Applied Mathematics</i> , 2011, 235, 1275-1287.	1.1	58
43	Simultaneous solving of balancing and sequencing problems with station-dependent assembly times for mixed-model assembly lines. <i>Applied Soft Computing Journal</i> , 2012, 12, 1359-1370.	4.1	57
44	An imperialist competitive algorithm to schedule of receiving and shipping trucks in cross-docking systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 51, 1179-1193.	1.5	54
45	Developing two multi-objective evolutionary algorithms for the multi-objective flexible job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 915-932.	1.5	54
46	Group scheduling in flexible flow shops: a hybridised approach of imperialist competitive algorithm and electromagnetic-like mechanism. <i>International Journal of Production Research</i> , 2011, 49, 4965-4977.	4.9	53
47	An efficient knowledge-based algorithm for the flexible job shop scheduling problem. <i>Knowledge-Based Systems</i> , 2012, 36, 236-244.	4.0	53
48	Assembly line balancing by a new multi-objective differential evolution algorithm based on TOPSIS. <i>International Journal of Production Research</i> , 2011, 49, 2833-2855.	4.9	52
49	Vehicle routing scheduling using an enhanced hybrid optimization approach. <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 759-774.	4.4	50
50	A hybrid multi-stage predictive model for supply chain network collapse recovery analysis: a practical framework for effective supply chain network continuity management. <i>International Journal of Production Research</i> , 2011, 49, 2035-2060.	4.9	49
51	Scheduling job shop problems with sequence-dependent setup times. <i>International Journal of Production Research</i> , 2009, 47, 5959-5976.	4.9	48
52	Multi-objective genetic-based algorithms for a cross-docking scheduling problem. <i>Applied Soft Computing Journal</i> , 2011, 11, 4954-4970.	4.1	48
53	Hybrid flexible flowshops with sequence-dependent setup times and machine availability constraints. <i>Computers and Industrial Engineering</i> , 2009, 57, 949-957.	3.4	46
54	Scheduling the truck holdover recurrent dock cross-dock problem using robust meta-heuristics. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 46, 769-783.	1.5	46

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55	A contribution and new heuristics for open shop scheduling. <i>Computers and Operations Research</i> , 2010, 37, 213-221.	2.4	46
56	Incorporating periodic preventive maintenance into flexible flowshop scheduling problems. <i>Applied Soft Computing Journal</i> , 2011, 11, 2094-2101.	4.1	45
57	Comparisons of some improving strategies on MOPSO for multi-objective (r,Q) inventory system. <i>Expert Systems With Applications</i> , 2011, 38, 12051-12057.	4.4	45
58	A robust parameter design for multi-response problems. <i>Journal of Computational and Applied Mathematics</i> , 2009, 230, 463-476.	1.1	44
59	Scheduling of a no-wait two-machine flow shop with sequence-dependent setup times and probable rework using robust meta-heuristics. <i>International Journal of Production Research</i> , 2012, 50, 7428-7446.	4.9	44
60	A memetic algorithm with a novel neighborhood search and modified solution representation for closed-loop supply chain network design. <i>Computers and Industrial Engineering</i> , 2019, 128, 418-436.	3.4	44
61	Minimizing total tardiness and earliness on unrelated parallel machines with controllable processing times. <i>Computers and Operations Research</i> , 2014, 41, 31-43.	2.4	43
62	Selecting suppliers using a new fuzzy multiple criteria decision model: the fuzzy balancing and ranking method. <i>International Journal of Production Research</i> , 2010, 48, 5307-5326.	4.9	38
63	An imperialist competitive algorithm for a mixed-model assembly line sequencing problem. <i>Journal of Manufacturing Systems</i> , 2013, 32, 46-54.	7.6	38
64	Development of a hybrid metaheuristic to minimise earliness and tardiness in a hybrid flowshop with sequence-dependent setup times. <i>International Journal of Production Research</i> , 2010, 48, 1415-1438.	4.9	36
65	Scheduling part-time and mixed-skilled workers to maximize employee satisfaction. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 1017-1027.	1.5	36
66	Bi-criteria SDST hybrid flow shop scheduling with learning effect of setup times: water flow-like algorithm approach. <i>International Journal of Production Research</i> , 2012, 50, 2609-2623.	4.9	34
67	A bi-level programming approach for production-distribution supply chain problem. <i>Computers and Industrial Engineering</i> , 2017, 110, 527-537.	3.4	33
68	A robust genetic algorithm for scheduling realistic hybrid flexible flow line problems. <i>Journal of Intelligent Manufacturing</i> , 2010, 21, 731-743.	4.4	32
69	A genetic algorithm for JIT single machine scheduling with preemption and machine idle time. <i>Expert Systems With Applications</i> , 2011, 38, 7911-7918.	4.4	32
70	An imperialist competitive algorithm for multi-objective U-type assembly line design. <i>Journal of Computational Science</i> , 2013, 4, 393-400.	1.5	32
71	Modeling and scheduling a case of flexible flowshops: Total weighted tardiness minimization. <i>Computers and Industrial Engineering</i> , 2009, 57, 1258-1267.	3.4	31
72	Integrating non-preemptive open shops scheduling with sequence-dependent setup times using advanced metaheuristics. <i>Expert Systems With Applications</i> , 2010, 37, 259-266.	4.4	31

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73	A game theory-based model for product portfolio management in a competitive market. <i>Expert Systems With Applications</i> , 2011, 38, 7919-7923.	4.4	31
74	GA and ICA approaches to job rotation scheduling problem: considering employee's boredom. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 60, 651-666.	1.5	31
75	An intelligent water drop algorithm to identical parallel machine scheduling with controllable processing times: a just-in-time approach. <i>Computational and Applied Mathematics</i> , 2017, 36, 159-184.	1.3	31
76	An efficient architecture for scheduling flexible job-shop with machine availability constraints. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 51, 325-339.	1.5	30
77	Evolutionary algorithms for multi-objective dual-resource constrained flexible job-shop scheduling problem. <i>Opsearch</i> , 2019, 56, 983-1006.	1.1	30
78	Drawing a Strategy Canvas Using the Fuzzy Best-Worst Method. <i>Global Journal of Flexible Systems Management</i> , 2019, 20, 57-75.	3.4	30
79	Due windows group scheduling using an effective hybrid optimization approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 46, 721-735.	1.5	29
80	Analyzing the development of the third-generation biodiesel production from microalgae by a novel hybrid decision-making method: The case of Iran. <i>Energy</i> , 2020, 195, 116895.	4.5	29
81	An integrated data envelopment analysis-artificial neural network approach for benchmarking of bank branches. <i>Journal of Industrial Engineering International</i> , 2016, 12, 137-143.	1.8	28
82	Robust metaheuristics for group scheduling with sequence-dependent setup times in hybrid flexible flow shops. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 43, 767-778.	1.5	27
83	Non-dominated ranked genetic algorithm for a multi-objective mixed-model assembly line sequencing problem. <i>International Journal of Production Research</i> , 2011, 49, 3479-3499.	4.9	27
84	Product portfolio planning: a metaheuristic-based simulated annealing algorithm. <i>International Journal of Production Research</i> , 2011, 49, 2327-2350.	4.9	27
85	Bi-objective hybrid flow shop scheduling with sequence-dependent setup times and limited buffers. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 58, 309-325.	1.5	27
86	Simulated imperialist competitive algorithm in two-stage assembly flow shop with machine breakdowns and preventive maintenance. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2016, 230, 934-953.	1.5	27
87	A cross-docking scheduling problem with sub-population multi-objective algorithms. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 58, 741-761.	1.5	26
88	Modeling and scheduling no-wait open shop problems. <i>International Journal of Production Economics</i> , 2014, 158, 256-266.	5.1	25
89	Bi-objective optimization for integrating production and preventive maintenance scheduling in two-stage assembly flow shop problem. <i>Journal of Industrial and Production Engineering</i> , 2016, 33, 404-425.	2.1	25
90	Buffer allocation problem and preventive maintenance planning in non-homogenous unreliable production lines. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 2581-2593.	1.5	25

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91	Due window scheduling with sequence-dependent setup on parallel machines using three hybrid metaheuristic algorithms. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 44, 795-808.	1.5	24
92	A study on open shop scheduling to minimise total tardiness. <i>International Journal of Production Research</i> , 2011, 49, 4657-4678.	4.9	24
93	Earliness and Tardiness Minimizing on a Realistic Hybrid Flowshop Scheduling with Learning Effect by Advanced Metaheuristic. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 1229-1242.	1.1	24
94	An integrated material-financial risk-averse resilient supply chain model with a real-world application. <i>Computers and Industrial Engineering</i> , 2021, 161, 107629.	3.4	24
95	A multi-phase covering Pareto-optimal front method to multi-objective parallel machine scheduling. <i>International Journal of Production Research</i> , 2010, 48, 4949-4976.	4.9	23
96	The economic lot scheduling problem with deteriorating items and shortage: an imperialist competitive algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 62, 759-773.	1.5	23
97	Multi-objective supply planning for two-level assembly systems with stochastic lead times. <i>Computers and Operations Research</i> , 2012, 39, 1325-1332.	2.4	22
98	Balancing, sequencing, and job rotation scheduling of a U-shaped lean cell with dynamic operator performance. <i>Computers and Industrial Engineering</i> , 2020, 143, 106363.	3.4	21
99	Minimizing the makespan and the system unavailability in parallel machine scheduling problem: a similarity-based genetic algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 51, 829-840.	1.5	20
100	A simulated annealing/local search to minimize the makespan and total tardiness on a hybrid flowshop. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 369-388.	1.5	20
101	The Effect of Worker Learning on Scheduling Jobs in a Hybrid Flow Shop: A Bi-Objective Approach. <i>Journal of Systems Science and Systems Engineering</i> , 2018, 27, 265-291.	0.8	20
102	Surgical case scheduling problem with fuzzy surgery time: An advanced bi-objective ant system approach. <i>Knowledge-Based Systems</i> , 2019, 186, 104913.	4.0	20
103	A tuned hybrid intelligent fruit fly optimization algorithm for fuzzy rule generation and classification. <i>Neural Computing and Applications</i> , 2019, 31, 873-885.	3.2	20
104	Scheduling a dynamic flexible flow line with sequence-dependent setup times: a simulation analysis. <i>International Journal of Production Research</i> , 2010, 48, 4019-4042.	4.9	19
105	A Simulated Annealing Algorithm for Flexible Job-Shop Scheduling Problem. <i>Journal of Applied Sciences</i> , 2009, 9, 662-670.	0.1	19
106	Developing a Risk Reduction Support System for Health System in Iran: A Case Study in Blood Supply Chain Management. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2139.	1.2	19
107	Synchronizing production and air transportation scheduling using mathematical programming models. <i>Journal of Computational and Applied Mathematics</i> , 2009, 230, 546-558.	1.1	18
108	Modeling and scheduling open shops with sequence-dependent setup times to minimize total completion time. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 53, 751-760.	1.5	18

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109	A biogeography-based optimization algorithm for order acceptance and scheduling. <i>Journal of Industrial and Production Engineering</i> , 2017, 34, 312-321.	2.1	18
110	An efficient bi-objective algorithm to solve re-entrant hybrid flow shop scheduling with learning effect and setup times. <i>Operational Research</i> , 2018, 18, 123-158.	1.3	18
111	Robust and stable flexible job shop scheduling with random machine breakdowns: multi-objectives genetic algorithm approach. <i>International Journal of Mathematics in Operational Research</i> , 2019, 14, 268.	0.1	18
112	Reverse logistics network design: a water flow-like algorithm approach. <i>Opsearch</i> , 2016, 53, 667-692.	1.1	16
113	Two robust meta-heuristics for scheduling multiple job classes on a single machine with multiple criteria. <i>Expert Systems With Applications</i> , 2010, 37, 5951-5959.	4.4	15
114	Bi-objective parallel machines scheduling with sequence-dependent setup times using hybrid metaheuristics and weighted min-max technique. <i>Soft Computing</i> , 2011, 15, 1313-1331.	2.1	15
115	A Water-Flow Like Algorithm for Solving U-Shaped Assembly Line Balancing Problems. <i>IEEE Access</i> , 2019, 7, 129824-129833.	2.6	15
116	A hybrid multi-objective genetic algorithm for planning order release date in two-level assembly system with random lead times. <i>Expert Systems With Applications</i> , 2011, 38, 13549-13549.	4.4	14
117	Scheduling a Bi-Objective Hybrid Flow Shop with Sequence-Dependent Family Setup Times Using Metaheuristics. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 2233-2244.	1.1	14
118	A hybrid imperialist competitive algorithm for single-machine scheduling problem with linear earliness and quadratic tardiness penalties. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 65, 981-989.	1.5	14
119	Simultaneous solving of balancing and sequencing problems in mixed-model assembly line systems. <i>International Journal of Production Research</i> , 2012, 50, 4994-5016.	4.9	13
120	Multi-objective portfolio optimization of mutual funds under downside risk measure using fuzzy theory. <i>International Journal of Industrial Engineering Computations</i> , 2012, 3, 859-872.	0.4	13
121	A hybrid spanning tree-based genetic/simulated annealing algorithm for a closed-loop logistics network design problem. <i>International Journal of Applied Decision Sciences</i> , 2015, 8, 400.	0.2	13
122	An efficient bi-objective heuristic for scheduling of hybrid flow shops. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 54, 287-307.	1.5	12
123	Due-date assignment and machine scheduling in a low machine-rate situation with stochastic processing times. <i>Computers and Operations Research</i> , 2013, 40, 1100-1108.	2.4	12
124	A multi-objective multi-echelon green supply chain network design problem with risk-averse retailers in an uncertain environment. <i>Scientia Iranica</i> , 2017, 24, 413-423.	0.3	12
125	An efficient meta-heuristic algorithm for scheduling a two-stage assembly flow shop problem with preventive maintenance activities and reliability approach. <i>International Journal of Industrial and Systems Engineering</i> , 2017, 26, 16.	0.1	11
126	Solving the Flexible Job-Shop Scheduling Problem by a Genetic Algorithm. <i>Journal of Applied Sciences</i> , 2008, 8, 4650-4655.	0.1	11



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127	Machine scheduling in the presence of sequence-dependent setup times and a rate-modifying activity. <i>International Journal of Production Research</i> , 2012, 50, 7401-7414.	4.9	10
128	Comparisons of bi-objective genetic algorithms for hybrid flowshop scheduling with sequence-dependent setup times. <i>International Journal of Production Research</i> , 2012, 50, 2570-2591.	4.9	9
129	Supplier Selection by Balancing and Ranking Method. <i>Journal of Applied Sciences</i> , 2008, 8, 3467-3472.	0.1	9
130	Hybrid Electromagnetism-Like Algorithm for the Flowshop Scheduling with Sequence-Dependent Setup Times. <i>Journal of Applied Sciences</i> , 2008, 8, 3621-3629.	0.1	9
131	Polynomial time approximation algorithms for proportionate open-shop scheduling. <i>International Transactions in Operational Research</i> , 2014, 21, 1031-1044.	1.8	8
132	Integrated production scheduling and maintenance planning in a hybrid flow shop system: a multi-objective approach. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017, 8, 1630-1642.	1.5	8
133	Scheduling two-stage assembly flow shop with random machines breakdowns: integrated new self-adapted differential evolutionary and simulation approach. <i>Soft Computing</i> , 2020, 24, 8377-8401.	2.1	8
134	Dynamic Demand-Centered Process-Oriented Data Model for Inventory Management of Hemovigilance Systems. <i>Healthcare Informatics Research</i> , 2021, 27, 73-81.	1.0	8
135	A robust optimization model for sustainable pharmaceutical distribution network design: a case study. <i>Annals of Operations Research</i> , 0, , 1.	2.6	8
136	A simple empirical inventory model for managing the processed corneal tissue equitably in hospitals with demand differentiation. <i>Computational and Applied Mathematics</i> , 2021, 40, 1.	1.0	8
137	Development of Dynamic Balanced Scorecard Using Case-Based Reasoning Method and Adaptive Neuro-Fuzzy Inference System. <i>IEEE Transactions on Engineering Management</i> , 2024, 71, 899-912.	2.4	8
138	Bi-objective hybrid flow shop scheduling: a new local search. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 933-950.	1.5	7
139	An Artificial Immune Algorithm for a Closed-Loop Supply Chain Network Design Problem with Different Delivery Paths. <i>International Journal of Strategic Decision Sciences</i> , 2014, 5, 27-46.	0.0	7
140	Determination of production planning policies for different products in process industries: using discrete event simulation. <i>Production Engineering</i> , 2018, 12, 737-746.	1.1	7
141	Scheduling of Virtual Cellular Manufacturing Systems: A Biogeography-Based Optimization Algorithm. <i>Applied Artificial Intelligence</i> , 2019, 33, 594-620.	2.0	7
142	A Tabu Search Approach to Hybrid Flow Shops Scheduling with Sequence-Dependent Setup Times. <i>Journal of Applied Sciences</i> , 2009, 9, 1740-1745.	0.1	7
143	A new approach to reducing the effects of stochastic disruptions in flexible flow shop problems with stability and nervousness. <i>International Journal of Management Science and Engineering Management</i> , 2013, 8, 173-178.	2.6	6
144	CA-FCM: Towards a formal representation of expert's causal judgements over construction project changes. <i>Advanced Engineering Informatics</i> , 2018, 38, 620-638.	4.0	6

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145	A Hybrid MCDM Model with Interval Weights and Data for Convention Site Selection. Journal of Applied Sciences, 2008, 8, 2678-2686.	0.1	6
146	Synchronized Production and Distribution Scheduling with Due Window. Journal of Applied Sciences, 2008, 8, 2752-2757.	0.1	6
147	Application of Artificial Neural Networks for Airline Number of Passenger Estimation in Time Series State. Journal of Applied Sciences, 2009, 9, 1001-1013.	0.1	6
148	Group scheduling in hybrid flexible flowshop with sequence-dependent setup times and random breakdowns via integrating genetic algorithm and simulation. International Journal of Industrial and Systems Engineering, 2015, 21, 377.	0.1	5
149	Optimization redundancy allocation problem with nonexponential repairable components using simulation approach and artificial neural network. Quality and Reliability Engineering International, 2018, 34, 278-297.	1.4	5
150	An equity-oriented multi-objective inventory management model for blood banks considering the patient condition: A real-life case. Scientia Iranica, 2021, .	0.3	5
151	A Novel Simulated Annealing Algorithm to Hybrid Flow Shops Scheduling with Sequence-Dependent Setup Times. Journal of Applied Sciences, 2009, 9, 1943-1949.	0.1	5
152	Hybrid bi-objective economic lot scheduling problem with feasible production plan equipped with an efficient adjunct search technique. International Journal of Systems Science: Operations and Logistics, 2023, 10, .	2.0	5
153	An efficient hybrid algorithm for a bi-objectives hybrid flow shop scheduling. Intelligent Automation and Soft Computing, 2018, 24, 9-16.	1.6	4
154	SCTTS: Scalable Cost-Time Trade-off Scheduling for Workflow Application in Grids. KSII Transactions on Internet and Information Systems, 2013, 7, 3096-3117.	0.7	4
155	Realistic variant of just-in-time flowshop scheduling: integration of L <sub>p</sub> -metric method in PSO-like algorithm. International Journal of Advanced Manufacturing Technology, 2014, 75, 1787-1797.	1.5	3
156	Order acceptance and due-date quotation in low machine rates. Applied Mathematical Modelling, 2014, 38, 2063-2072.	2.2	3
157	An imperialist competitive algorithm in mixed-model assembly line sequencing problem to minimise unfinished works. International Journal of Systems Science: Operations and Logistics, 2019, 6, 179-192.	2.0	3
158	A Bi-level Programming Model to Solve Supplier Selection and Lot-Sizing Problem Addressing Quantity Discounts and Transportation Cost. Industrial Engineering and Management Systems, 2018, 17, 267-280.	0.3	3
159	Hybrid flowshop scheduling with sequence-dependent setup times by hybridizing max-min ant system, simulated annealing and variable neighbourhood search. Expert Systems, 2012, 29, 156-169.	2.9	2
160	Comparisons of some improving strategies on NSGA-II for multi-objective inventory system. Journal of Industrial and Production Engineering, 2017, 34, 61-69.	2.1	2
161	Bi-level programming for supplier selection under quantity discount policy. Scientia Iranica, 2017, 24, 2095-2104.	0.3	2
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