

Behrooz Karimi

List of Publications by Year in descending order

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87
papers

3,560
citations

126858

33
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143943

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87
all docs

87
docs citations

87
times ranked

2682
citing authors

#	ARTICLE	IF	CITATIONS
1	The capacitated lot sizing problem: a review of models and algorithms. <i>Omega</i> , 2003, 31, 365-378.	3.6	525
2	Reverse logistics network design using simulated annealing. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 47, 269-281.	1.5	143
3	Deriving preference order of open pit mines equipment through MADM methods: Application of modified VIKOR method. <i>Expert Systems With Applications</i> , 2011, 38, 2550-2556.	4.4	125
4	A hybrid genetic heuristic for scheduling parallel batch processing machines with arbitrary job sizes. <i>Computers and Operations Research</i> , 2008, 35, 1084-1098.	2.4	116
5	A discrete particle swarm optimization algorithm for scheduling parallel machines. <i>Computers and Industrial Engineering</i> , 2009, 56, 216-223.	3.4	113
6	Long-term open pit mine production planning: a review of models and algorithms. <i>International Journal of Mining, Reclamation and Environment</i> , 2008, 22, 3-35.	1.2	109
7	Closed-loop supply chain network design under a fuzzy environment. <i>Knowledge-Based Systems</i> , 2014, 59, 108-120.	4.0	98
8	Multi-objective green supply chain optimization with a new hybrid memetic algorithm using the Taguchi method. <i>Scientia Iranica</i> , 2012, 19, 1876-1886.	0.3	96
9	Particle swarm algorithm for solving systems of nonlinear equations. <i>Computers and Mathematics With Applications</i> , 2011, 62, 566-576.	1.4	95
10	A hybrid genetic algorithm for the finite horizon economic lot and delivery scheduling in supply chains. <i>European Journal of Operational Research</i> , 2006, 173, 173-189.	3.5	90
11	Optimizing the pricing and replenishment policy for non-instantaneous deteriorating items with stochastic demand and promotional efforts. <i>Computers and Operations Research</i> , 2014, 51, 302-312.	2.4	81
12	Effective hybrid genetic algorithm for minimizing makespan on a single-batch-processing machine with non-identical job sizes. <i>International Journal of Production Research</i> , 2006, 44, 2337-2360.	4.9	80
13	A branch and price algorithm to minimize makespan on a single batch processing machine with non-identical job sizes. <i>Computers and Operations Research</i> , 2010, 37, 1720-1730.	2.4	72
14	Hybrid flow shop scheduling with sequence dependent family setup time and uncertain due dates. <i>Applied Mathematical Modelling</i> , 2014, 38, 2490-2504.	2.2	72
15	Closed-loop supply chain network design: A financial approach. <i>Applied Mathematical Modelling</i> , 2014, 38, 4099-4119.	2.2	70
16	Investigation on a novel sustainable model for waste management in megacities: A case study in tehran municipality. <i>Sustainable Cities and Society</i> , 2018, 36, 286-301.	5.1	68
17	Rolling-horizon and fix-and-relax heuristics for the multi-product multi-level capacitated lotsizing problem with sequence-dependent setups. <i>Journal of Intelligent Manufacturing</i> , 2010, 21, 501-510.	4.4	60
18	The common cycle economic lot scheduling in flexible job shops: The finite horizon case. <i>International Journal of Production Economics</i> , 2005, 97, 52-65.	5.1	57

#	ARTICLE	IF	CITATIONS
19	An effective hybrid multi-objective genetic algorithm for bi-criteria scheduling on a single batch processing machine with non-identical job sizes. <i>Engineering Applications of Artificial Intelligence</i> , 2010, 23, 911-922.	4.3	54
20	Hub network design problem in the presence of disruptions. <i>Journal of Intelligent Manufacturing</i> , 2014, 25, 755-774.	4.4	53
21	Photocatalytic degradation of formaldehyde in aqueous solution using ZnO nanoparticles immobilized on glass plates. <i>Desalination and Water Treatment</i> , 2015, 53, 1613-1620.	1.0	53
22	A model for integrating services and product EOL management in sustainable product service system (S-PSS). <i>Journal of Intelligent Manufacturing</i> , 2014, 25, 427-440.	4.4	50
23	A tabu search heuristic for solving the CLSP with backlogging and set-up carry-over. <i>Journal of the Operational Research Society</i> , 2006, 57, 140-147.	2.1	49
24	Designing a Reverse Logistics Network for End-of-Life Vehicles Recovery. <i>Mathematical Problems in Engineering</i> , 2010, 2010, 1-16.	0.6	44
25	Scheduling a single batch-processing machine with arbitrary job sizes and incompatible job families: An ant colony framework. <i>Journal of the Operational Research Society</i> , 2008, 59, 1269-1280.	2.1	43
26	A differential evolution algorithm for the manufacturing cell formation problem using group based operators. <i>Expert Systems With Applications</i> , 2010, 37, 4822-4829.	4.4	43
27	Cross-docking and milk run logistics in a consolidation network: A hybrid of harmony search and simulated annealing approach. <i>Journal of Manufacturing Systems</i> , 2014, 33, 567-577.	7.6	42
28	Sustainable and Robust Home Healthcare Logistics: A Response to the COVID-19 Pandemic. <i>Symmetry</i> , 2022, 14, 193.	1.1	42
29	A novel learning based approach for a new integrated location-routing and scheduling problem within cross-docking considering direct shipment. <i>Applied Soft Computing Journal</i> , 2015, 34, 274-285.	4.1	41
30	A multi-objective model for sustainable recycling of municipal solid waste. <i>Waste Management and Research</i> , 2017, 35, 387-399.	2.2	41
31	Solving the p-hub Median Problem Under Intentional Disruptions Using Simulated Annealing. <i>Networks and Spatial Economics</i> , 2013, 13, 445-470.	0.7	40
32	Two metaheuristic methods for the common cycle economic lot sizing and scheduling in flexible flow shops with limited intermediate buffers: The finite horizon case. <i>Applied Mathematics and Computation</i> , 2006, 183, 634-645.	1.4	37
33	Two hybrid meta-heuristics for the finite horizon ELSP in flexible flow lines with unrelated parallel machines. <i>Applied Mathematics and Computation</i> , 2007, 186, 230-245.	1.4	35
34	Multi-Objective Optimization of Home Healthcare with Working-Time Balancing and Care Continuity. <i>Sustainability</i> , 2021, 13, 12431.	1.6	35
35	Green-resilient supply chain network design for perishable products considering route risk and horizontal collaboration under robust interval-valued type-2 fuzzy uncertainty: A case study in food industry. <i>Journal of Environmental Management</i> , 2022, 307, 114470.	3.8	33
36	A genetic algorithm for solving no-wait flexible flow lines with due window and job rejection. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 42, 523-532.	1.5	32

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37	Uncertainty in advance scheduling problem in operating room planning. <i>Computers and Industrial Engineering</i> , 2018, 126, 252-268.	3.4	32
38	A NEW FUZZY MULTI CRITERIA DECISION MAKING MODEL FOR OPEN PIT MINES EQUIPMENT SELECTION. <i>Asia-Pacific Journal of Operational Research</i> , 2011, 28, 279-300.	0.9	31
39	A new robust optimization approach for integrated multi-echelon, multi-product, multi-period supply chain network design under process uncertainty. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 79, 229-244.	1.5	31
40	The impact of integrated analysis on supply chain management: a coordinated approach for inventory control policy. <i>Supply Chain Management</i> , 2010, 15, 277-289.	3.7	29
41	Biodegradation of naphthalene using <i>Pseudomonas aeruginosa</i> by up flow anoxic-aerobic continuous flow combined bioreactor. <i>Journal of Environmental Health Science & Engineering</i> , 2015, 13, 26.	1.4	28
42	A new hybrid algorithm of scatter search and Nelder-Mead algorithms to optimize joint economic lot sizing problem. <i>Journal of Computational and Applied Mathematics</i> , 2016, 292, 387-401.	1.1	28
43	Minimizing total flow time on a batch processing machine using a hybrid max-min ant system. <i>Computers and Industrial Engineering</i> , 2016, 99, 372-381.	3.4	26
44	New dispatching rules to minimize rejection and tardiness costs in a dynamic flexible flow shop. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 45, 759-771.	1.5	25
45	Multi-stage multi-product multi-period production planning with sequence-dependent setups in closed-loop supply chain. <i>Computers and Industrial Engineering</i> , 2017, 113, 602-613.	3.4	25
46	Effect of two-echelon trade credit on pricing-inventory policy of non-instantaneous deteriorating products with probabilistic demand and deterioration functions. <i>Annals of Operations Research</i> , 2017, 257, 237-273.	2.6	24
47	A novel discrete particle swarm optimization algorithm for the manufacturing cell formation problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 1543-1556.	1.5	23
48	Exact and heuristic algorithms for the just-in-time scheduling problem in a batch processing system. <i>Computers and Operations Research</i> , 2017, 80, 173-183.	2.4	23
49	A note on minimizing makespan on a single batch processing machine with nonidentical job sizes. <i>Theoretical Computer Science</i> , 2009, 410, 2754-2758.	0.5	22
50	A new algorithm for constrained optimization inspired by the sport league championships. , 2010, , .		21
51	Hybrid simulated annealing and genetic approach for solving a multi-stage production planning with sequence-dependent setups in a closed-loop supply chain. <i>Applied Soft Computing Journal</i> , 2018, 71, 1085-1104.	4.1	21
52	An improved mixed integer linear formulation and lower bounds for minimizing makespan on a flow shop with batch processing machines. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 40, 582-594.	1.5	19
53	A new algorithmic approach for capacitated lot-sizing problem in flow shops with sequence-dependent setups. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 49, 201-211.	1.5	19
54	MIP-based heuristics for lotsizing in capacitated pure flow shop with sequence-dependent setups. <i>International Journal of Production Research</i> , 2010, 48, 2957-2973.	4.9	19

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55	Indicator pathogens, organic matter and LAS detergent removal from wastewater by constructed subsurface wetlands. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 52.	1.4	18
56	A Surrogate Integrated Production Modeling Approach to Long-Term Gas-Lift Allocation Optimization. <i>Chemical Engineering Communications</i> , 2015, 202, 647-654.	1.5	18
57	Cyclic hybrid flow shop scheduling problem with limited buffers and machine eligibility constraints. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 76, 1739-1755.	1.5	17
58	Pricing and Inventory Control in a Supply Chain of Deteriorating Items: A Non-cooperative Strategy with Probabilistic Parameters. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 2477-2499.	0.9	16
59	Bi-objective heuristics for multi-item freights distribution planning problem in crossdocking networks. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 58, 1201-1216.	1.5	15
60	Designing an efficient method for simultaneously determining the loop and the location of the P/D stations using genetic algorithm. <i>International Journal of Production Research</i> , 2007, 45, 1405-1427.	4.9	14
61	Simulation-based optimization of ecological leasing: a step toward extended producer responsibility (EPR). <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 66, 159-169.	1.5	14
62	A column-generation-heuristic-based bendersâ€™ decomposition for solving adaptive allocation scheduling of patients in operating rooms. <i>Computers and Industrial Engineering</i> , 2020, 148, 106698.	3.4	13
63	Flow shop scheduling with two batch processing machines and nonidentical job sizes. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 45, 553-572.	1.5	12
64	Adaptive operating rooms planning and scheduling: A rolling horizon approach. <i>Operations Research for Health Care</i> , 2019, 22, 100200.	0.8	11
65	Optimal Replenishment and Breeding Policies for Growing Items. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7005-7015.	1.7	11
66	A new fuzzy-stochastic compromise ratio approach for green supplier selection problem with interval-valued possibilistic statistical information. <i>Neural Computing and Applications</i> , 2021, 33, 7893-7911.	3.2	11
67	Fast-moving consumer goods network design with pricing policy in an uncertain environment with correlated demands. <i>Computers and Industrial Engineering</i> , 2021, 153, 106997.	3.4	11
68	Incorporating sales and marketing considerations into a competitive multi-echelon distribution network design problem with pricing strategy in a stochastic environment. <i>Journal of Retailing and Consumer Services</i> , 2021, 62, 102646.	5.3	11
69	A simulation-optimization approach for open-shop scheduling problem with random process times. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 821-831.	1.5	9
70	Dynamic pricing and inventory control policies in a food supply chain of growing and deteriorating items. <i>Annals of Operations Research</i> , 0, , 1.	2.6	9
71	Multi-objective integrated production distribution planning concerning manufacturing partners. <i>International Journal of Computer Integrated Manufacturing</i> , 2015, 28, 1313-1330.	2.9	8
72	A Markovian approach for multi-level multi-product multi-period capacitated lot-sizing problem with uncertainty in levels. <i>International Journal of Production Research</i> , 2017, 55, 5330-5340.	4.9	8

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73	A Multi-objective Particle Swarm Optimization Based on Pareto Archive for Integrated Production and Distribution Planning in A Green Supply Chain. <i>Applied Artificial Intelligence</i> , 2021, 35, 133-153.	2.0	8
74	A game theoretic approach for two echelon supply chains with continuous depletion. <i>International Journal of Management Science and Engineering Management</i> , 2011, 6, 408-412.	2.6	7
75	Dynamic pricing and freight transportation planning in oligopolistic freight networks: a game theoretic approach. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 918-938.	1.3	7
76	Optimal production control and marketing plan in two-machine unreliable flexible manufacturing systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 487-496.	1.5	6
77	A hybrid neural network approach to minimize total completion time on a single batch processing machine. <i>International Transactions in Operational Research</i> , 2021, 28, 2867-2899.	1.8	5
78	Characterizing μ -properly efficient solutions. <i>Optimization Methods and Software</i> , 2015, 30, 583-593.	1.6	4
79	Free vibration analysis and design optimization of nanocomposite-laminated beams using various higher order beam theories and imperialist competitive algorithm. <i>Polymer Composites</i> , 2016, 37, 2442-2451.	2.3	4
80	Supply demand hub in industrial clusters: a stochastic approach. <i>Engineering Optimization</i> , 2018, 50, 1561-1577.	1.5	4
81	Supply chain network design under uncertainty with new insights from contracts. <i>Journal of Zhejiang University: Science C</i> , 2014, 15, 1106-1122.	0.7	2
82	Analysis for supply hub in industrial cluster: Classic vs. new perspective. , 2016, , .		2
83	An Integrated Model of Scheduling and Configuration of the Operating Theater. , 2018, , .		2
84	Integrated gas lift system optimization. <i>Theoretical Foundations of Chemical Engineering</i> , 2013, 47, 397-405.	0.2	0
85	STATEMENT OF RETRACTION "A LAGRANGIAN-BASED SOLUTION ALGORITHM FOR STRATEGIC SUPPLY CHAIN DISTRIBUTION DESIGN IN UNCERTAIN ENVIRONMENT. <i>International Journal of Information Technology and Decision Making</i> , 2013, 12, 173-173.	2.3	0
86	An iterative method for forecasting most probable point of stochastic demand. <i>Journal of Industrial Engineering International</i> , 2014, 10, 1.	1.8	0
87	Random derivative-free algorithm for solving unconstrained or bound constrained continuously differentiable non-linear problems. <i>Optimization Methods and Software</i> , 2015, 30, 911-933.	1.6	0