Behrooz Karimi

List of Publications by Year
in descending order

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87	3,560	126858	143943
papers	citations	33 h-index	57 g-index

87	87	87	2682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sustainable and Robust Home Healthcare Logistics: A Response to the COVID-19 Pandemic. Symmetry, 2022, 14, 193.	1.1	42
2	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. Journal of Environmental Management, 2022, 307, 114470.	3.8	33
3	A hybrid neural network approach to minimize total completion time on a single batch processing machine. International Transactions in Operational Research, 2021, 28, 2867-2899.	1.8	5
4	A Multi-objective Particle Swarm Optimization Based on Pareto Archive for Integrated Production and Distribution Planning in A Green Supply Chain. Applied Artificial Intelligence, 2021, 35, 133-153.	2.0	8
5	A new fuzzy-stochastic compromise ratio approach for green supplier selection problem with interval-valued possibilistic statistical information. Neural Computing and Applications, 2021, 33, 7893-7911.	3.2	11
6	Fast-moving consumer goods network design with pricing policy in an uncertain environment with correlated demands. Computers and Industrial Engineering, 2021, 153, 106997.	3.4	11
7	Incorporating sales and marketing considerations into a competitive multi-echelon distribution network design problem with pricing strategy in a stochastic environment. Journal of Retailing and Consumer Services, 2021, 62, 102646.	5.3	11
8	Multi-Objective Optimization of Home Healthcare with Working-Time Balancing and Care Continuity. Sustainability, 2021, 13, 12431.	1.6	35
9	A column-generation-heuristic-based bendersâ€™ decomposition for solving adaptive allocation scheduling of patients in operating rooms. Computers and Industrial Engineering, 2020, 148, 106698.	3.4	13
10	Optimal Replenishment and Breeding Policies for Growing Items. Arabian Journal for Science and Engineering, 2020, 45, 7005-7015.	1.7	11
11	Adaptive operating rooms planning and scheduling: A rolling horizon approach. Operations Research for Health Care, 2019, 22, 100200.	0.8	11
12	Supplyâ€“demand hub in industrial clusters: a stochastic approach. Engineering Optimization, 2018, 50, 1561-1577.	1.5	4
13	Hybrid simulated annealing and genetic approach for solving a multi-stage production planning with sequence-dependent setups in a closed-loop supply chain. Applied Soft Computing Journal, 2018, 71, 1085-1104.	4.1	21
14	Investigation on a novel sustainable model for waste management in megacities: A case study in tehran municipality. Sustainable Cities and Society, 2018, 36, 286-301.	5.1	68
15	Uncertainty in advance scheduling problem in operating room planning. Computers and Industrial Engineering, 2018, 126, 252-268.	3.4	32
16	An Integrated Model of Scheduling and Configuration of the Operating Theater. , 2018, , .		2
17	Effect of two-echelon trade credit on pricing-inventory policy of non-instantaneous deteriorating products with probabilistic demand and deterioration functions. Annals of Operations Research, 2017, 257, 237-273.	2.6	24
18	A multi-objective model for sustainable recycling of municipal solid waste. Waste Management and Research, 2017, 35, 387-399.	2.2	41

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19	A Markovian approach for multi-level multi-product multi-period capacitated lot-sizing problem with uncertainty in levels. International Journal of Production Research, 2017, 55, 5330-5340.	4.9	8
20	Exact and heuristic algorithms for the just-in-time scheduling problem in a batch processing system. Computers and Operations Research, 2017, 80, 173-183.	2.4	23
21	Multi-stage multi-product multi-period production planning with sequence-dependent setups in closed-loop supply chain. Computers and Industrial Engineering, 2017, 113, 602-613.	3.4	25
22	Pricing and Inventory Control in a Supply Chain of Deteriorating Items: A Non-cooperative Strategy with Probabilistic Parameters. International Journal of Applied and Computational Mathematics, 2017, 3, 2477-2499.	0.9	16
23	Free vibration analysis and design optimization of nanocomposite-laminated beams using various higher order beam theories and imperialist competitive algorithm. Polymer Composites, 2016, 37, 2442-2451.	2.3	4
24	Analysis for supply hub in industrial cluster: Classic vs. new perspective. , 2016, , .		2
25	Minimizing total flow time on a batch processing machine using a hybrid maxâ€“min ant system. Computers and Industrial Engineering, 2016, 99, 372-381.	3.4	26
26	A new hybrid algorithm of scatter search and Nelderâ€“Mead algorithms to optimize joint economic lot sizing problem. Journal of Computational and Applied Mathematics, 2016, 292, 387-401.	1.1	28
27	A novel learning based approach for a new integrated location-routing and scheduling problem within cross-docking considering direct shipment. Applied Soft Computing Journal, 2015, 34, 274-285.	4.1	41
28	A Surrogate Integrated Production Modeling Approach to Long-Term Gas-Lift Allocation Optimization. Chemical Engineering Communications, 2015, 202, 647-654.	1.5	18
29	A new robust optimization approach for integrated multi-echelon, multi-product, multi-period supply chain network design under process uncertainty. International Journal of Advanced Manufacturing Technology, 2015, 79, 229-244.	1.5	31
30	Multi-objective integrated production distribution planning concerning manufacturing partners. International Journal of Computer Integrated Manufacturing, 2015, 28, 1313-1330.	2.9	8
31	Biodegradation of naphthalene using Pseudomonas aeruginosa by up flow anoxicâ€“aerobic continuous flow combined bioreactor. Journal of Environmental Health Science & Engineering, 2015, 13, 26.	1.4	28
32	Dynamic pricing and freight transportation planning in oligopolistic freight networks: a game theoretic approach. Transportmetrica A: Transport Science, 2015, 11, 918-938.	1.3	7
33	Random derivative-free algorithm for solving unconstrained or bound constrained continuously differentiable non-linear problems. Optimization Methods and Software, 2015, 30, 911-933.	1.6	0
34	Characterizing Ïµ-properly efficient solutions. Optimization Methods and Software, 2015, 30, 583-593.	1.6	4
35	Cyclic hybrid flow shop scheduling problem with limited buffers and machine eligibility constraints. International Journal of Advanced Manufacturing Technology, 2015, 76, 1739-1755.	1.5	17
36	Photocatalytic degradation of formaldehyde in aqueous solution using ZnO nanoparticles immobilized on glass plates. Desalination and Water Treatment, 2015, 53, 1613-1620.	1.0	53

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37	Supply chain network design under uncertainty with new insights from contracts. Journal of Zhejiang University: Science C, 2014, 15, 1106-1122.	0.7	2
38	Hub network design problem in the presence of disruptions. Journal of Intelligent Manufacturing, 2014, 25, 755-774.	4.4	53
39	A model for integrating services and product EOL management in sustainable product service system (S-PSS). Journal of Intelligent Manufacturing, 2014, 25, 427-440.	4.4	50
40	Closed-loop supply chain network design: A financial approach. Applied Mathematical Modelling, 2014, 38, 4099-4119.	2.2	70
41	Closed-loop supply chain network design under a fuzzy environment. Knowledge-Based Systems, 2014, 59, 108-120.	4.0	98
42	Hybrid flow shop scheduling with sequence dependent family setup time and uncertain due dates. Applied Mathematical Modelling, 2014, 38, 2490-2504.	2.2	72
43	A simulation-optimization approach for open-shop scheduling problem with random process times. International Journal of Advanced Manufacturing Technology, 2014, 70, 821-831.	1.5	9
44	Optimal production control and marketing plan in two-machine unreliable flexible manufacturing systems. International Journal of Advanced Manufacturing Technology, 2014, 73, 487-496.	1.5	6
45	A novel discrete particle swarm optimization algorithm for the manufacturing cell formation problem. International Journal of Advanced Manufacturing Technology, 2014, 73, 1543-1556.	1.5	23
46	Indicator pathogens, organic matter and LAS detergent removal from wastewater by constructed subsurface wetlands. Journal of Environmental Health Science & Engineering, 2014, 12, 52.	1.4	18
47	An iterative method for forecasting most probable point of stochastic demand. Journal of Industrial Engineering International, 2014, 10, 1.	1.8	0
48	Optimizing the pricing and replenishment policy for non-instantaneous deteriorating items with stochastic demand and promotional efforts. Computers and Operations Research, 2014, 51, 302-312.	2.4	81
49	Cross-docking and milk run logistics in a consolidation network: A hybrid of harmony search and simulated annealing approach. Journal of Manufacturing Systems, 2014, 33, 567-577.	7.6	42
50	Simulation-based optimization of ecological leasing: a step toward extended producer responsibility (EPR). International Journal of Advanced Manufacturing Technology, 2013, 66, 159-169.	1.5	14
51	Integrated gas lift system optimization. Theoretical Foundations of Chemical Engineering, 2013, 47, 397-405.	0.2	0
52	Solving the p-hub Median Problem Under Intentional Disruptions Using Simulated Annealing. Networks and Spatial Economics, 2013, 13, 445-470.	0.7	40
53	STATEMENT OF RETRACTION â€" A LAGRANGIAN-BASED SOLUTION ALGORITHM FOR STRATEGIC SUPPLY CHAIN DISTRIBUTION DESIGN IN UNCERTAIN ENVIRONMENT. International Journal of Information Technology and Decision Making, 2013, 12, 173-173.	2.3	0
54	Multi-objective green supply chain optimization with a new hybrid memetic algorithm using the Taguchi method. Scientia Iranica, 2012, 19, 1876-1886.	0.3	96

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55	Bi-objective heuristics for multi-item freights distribution planning problem in crossdocking networks. International Journal of Advanced Manufacturing Technology, 2012, 58, 1201-1216.	1.5	15
56	Particle swarm algorithm for solving systems of nonlinear equations. Computers and Mathematics With Applications, 2011, 62, 566-576.	1.4	95
57	Deriving preference order of open pit mines equipment through MADM methods: Application of modified VIKOR method. Expert Systems With Applications, 2011, 38, 2550-2556.	4.4	125
58	A game theoretic approach for two echelon supply chains with continuous depletion. International Journal of Management Science and Engineering Management, 2011, 6, 408-412.	2.6	7
59	A NEW FUZZY MULTI CRITERIA DECISION MAKING MODEL FOR OPEN PIT MINES EQUIPMENT SELECTION. Asia-Pacific Journal of Operational Research, 2011, 28, 279-300.	0.9	31
60	Reverse logistics network design using simulated annealing. International Journal of Advanced Manufacturing Technology, 2010, 47, 269-281.	1.5	143
61	A new algorithmic approach for capacitated lot-sizing problem in flow shops with sequence-dependent setups. International Journal of Advanced Manufacturing Technology, 2010, 49, 201-211.	1.5	19
62	An effective hybrid multi-objective genetic algorithm for bi-criteria scheduling on a single batch processing machine with non-identical job sizes. Engineering Applications of Artificial Intelligence, 2010, 23, 911-922.	4.3	54
63	Rolling-horizon and fix-and-relax heuristics for the multi-product multi-level capacitated lotsizing problem with sequence-dependent setups. Journal of Intelligent Manufacturing, 2010, 21, 501-510.	4.4	60
64	A differential evolution algorithm for the manufacturing cell formation problem using group based operators. Expert Systems With Applications, 2010, 37, 4822-4829.	4.4	43
65	A branch and price algorithm to minimize makespan on a single batch processing machine with non-identical job sizes. Computers and Operations Research, 2010, 37, 1720-1730.	2.4	72
66	MIP-based heuristics for lotsizing in capacitated pure flow shop with sequence-dependent setups. International Journal of Production Research, 2010, 48, 2957-2973.	4.9	19
67	Designing a Reverse Logistics Network for End-of-Life Vehicles Recovery. Mathematical Problems in Engineering, 2010, 2010, 1-16.	0.6	44
68	The impact of integrated analysis on supply chain management: a coordinated approach for inventory control policy. Supply Chain Management, 2010, 15, 277-289.	3.7	29
69	A new algorithm for constrained optimization inspired by the sport league championships. , 2010, , .		21
70	A note on minimizing makespan on a single batch processing machine with nonidentical job sizes. Theoretical Computer Science, 2009, 410, 2754-2758.	0.5	22
71	An improved mixed integer linear formulation and lower bounds for minimizing makespan on a flow shop with batch processing machines. International Journal of Advanced Manufacturing Technology, 2009, 40, 582-594.	1.5	19
72	A genetic algorithm for solving no-wait flexible flow lines with due window and job rejection. International Journal of Advanced Manufacturing Technology, 2009, 42, 523-532.	1.5	32

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73	Flow shop scheduling with two batch processing machines and nonidentical job sizes. International Journal of Advanced Manufacturing Technology, 2009, 45, 553-572.	1.5	12
74	New dispatching rules to minimize rejection and tardiness costs in a dynamic flexible flow shop. International Journal of Advanced Manufacturing Technology, 2009, 45, 759-771.	1.5	25
75	A discrete particle swarm optimization algorithm for scheduling parallel machines. Computers and Industrial Engineering, 2009, 56, 216-223.	3.4	113
76	A hybrid genetic heuristic for scheduling parallel batch processing machines with arbitrary job sizes. Computers and Operations Research, 2008, 35, 1084-1098.	2.4	116
77	Long-term open pit mine production planning: a review of models and algorithms. International Journal of Mining, Reclamation and Environment, 2008, 22, 3-35.	1.2	109
78	Scheduling a single batch-processing machine with arbitrary job sizes and incompatible job families: An ant colony framework. Journal of the Operational Research Society, 2008, 59, 1269-1280.	2.1	43
79	Designing an efficient method for simultaneously determining the loop and the location of the P/D stations using genetic algorithm. International Journal of Production Research, 2007, 45, 1405-1427.	4.9	14
80	Two hybrid meta-heuristics for the finite horizon ELSP in flexible flow lines with unrelated parallel machines. Applied Mathematics and Computation, 2007, 186, 230-245.	1.4	35
81	Effective hybrid genetic algorithm for minimizing makespan on a single-batch-processing machine with non-identical job sizes. International Journal of Production Research, 2006, 44, 2337-2360.	4.9	80
82	A tabu search heuristic for solving the CLSP with backlogging and set-up carry-over. Journal of the Operational Research Society, 2006, 57, 140-147.	2.1	49
83	Two metaheuristic methods for the common cycle economic lot sizing and scheduling in flexible flow shops with limited intermediate buffers: The finite horizon case. Applied Mathematics and Computation, 2006, 183, 634-645.	1.4	37
84	A hybrid genetic algorithm for the finite horizon economic lot and delivery scheduling in supply chains. European Journal of Operational Research, 2006, 173, 173-189.	3.5	90
85	The common cycle economic lot scheduling in flexible job shops: The finite horizon case. International Journal of Production Economics, 2005, 97, 52-65.	5.1	57
86	The capacitated lot sizing problem: a review of models and algorithms. Omega, 2003, 31, 365-378.	3.6	525
87	Dynamic pricing and inventory control policies in a food supply chain of growing and deteriorating items. Annals of Operations Research, 0, , 1.	2.6	9