Seyed jafar Sadjadi

List of Publications by Year
in descending order

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125 papers	3,133 citations	126708 33 h-index	189595 50 g-index
129 all docs	129 docs citations	129 times ranked	2499 citing authors

#	Article	IF	Citations
1	A probabilistic bi-level linear multi-objective programming problem to supply chain planning. Applied Mathematics and Computation, 2007, 188, 786-800.	1.4	155
2	Data envelopment analysis with uncertain data: An application for Iranian electricity distribution companies. Energy Policy, 2008, 36, 4247-4254.	4.2	151
3	A multi-objective robust optimization model for site-selection and capacity allocation of municipal solid waste facilities: A case study in Tehran. Journal of Cleaner Production, 2017, 166, 816-834.	4.6	111
4	A robust optimization model for humanitarian relief chain design under uncertainty. Applied Mathematical Modelling, 2016, 40, 7996-8016.	2.2	104
5	Vehicle routing problem with uncertain demands: An advanced particle swarm algorithm. Computers and Industrial Engineering, 2012, 62, 306-317.	3.4	91
6	Robust supply chain network design: an optimization model with real world application. Annals of Operations Research, 2017, 257, 15-44.	2.6	84
7	Scheduling trucks in cross-docking systems: A robust meta-heuristics approach. Transportation Research, Part E: Logistics and Transportation Review, 2010, 46, 650-666.	3.7	76
8	Impacts of government direct limitation on pricing, greening activities and recycling management in an online to offline closed loop supply chain. Journal of Cleaner Production, 2019, 215, 1327-1340.	4.6	74
9	Resource-constrained project scheduling problem: review of past and recent developments. Journal of Project Management, 2018, , 55-88.	0.8	73
10	A robust super-efficiency data envelopment analysis model for ranking of provincial gas companies in Iran. Expert Systems With Applications, 2011, 38, 10875-10881.	4.4	71
11	Multi-product production quantity model with repair failure and partial backordering. Computers and Industrial Engineering, 2010, 59, 45-54.	3.4	69
12	Robust Train Timetabling Problem: Mathematical Model and Branch and Bound Algorithm. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 307-317.	4.7	69
13	Optimization of high-strength self-consolidating concrete mix design using an improved Taguchi optimization method. Construction and Building Materials, 2020, 236, 117547.	3.2	59
14	A new mathematical modeling and a genetic algorithm search for milk run problem (an auto industry) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 194-200.	1.5	55
15	An efficient algorithm to solve a multi-objective robust aggregate production planning in an uncertain environment. International Journal of Advanced Manufacturing Technology, 2012, 58, 765-782.	1.5	55
16	Data envelopment analysis and robust optimization: A review. Expert Systems, 2020, 37, e12534.	2.9	55
17	Optimal Production and Marketing Planning. Computational Optimization and Applications, 2005, 30, 195-203.	0.9	54
18	Multiproduct EPQ model with single machine, backordering and immediate rework process. European Journal of Industrial Engineering, 2011, 5, 388.	0.5	54

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19	A mathematical model for project scheduling and material ordering problem with sustainability considerations: A case study in Iran. Computers and Industrial Engineering, 2019, 128, 690-710.	3.4	54
20	A bootstrapped robust data envelopment analysis model for efficiency estimating of telecommunication companies in Iran. Telecommunications Policy, 2010, 34, 221-232.	2.6	53
21	Fuzzy multi period portfolio selection with different rates for borrowing and lending. Applied Soft Computing Journal, 2011, 11, 3821-3826.	4.1	51
22	Dynamic dairy facility location and supply chain planning under traffic congestion and demand uncertainty: A case study of Tehran. Applied Mathematical Modelling, 2013, 37, 8467-8483.	2.2	49
23	Project costâ€“qualityâ€“risk tradeoff analysis in a time-constrained problem. Computers and Industrial Engineering, 2016, 95, 111-121.	3.4	49
24	Ordering policies for non-instantaneous deteriorating items under hybrid partial prepayment, partial trade credit and partial backordering. Journal of the Operational Research Society, 2018, 69, 1167-1196.	2.1	49
25	An interactive robust data envelopment analysis model for determining alternative targets in Iranian electricity distribution companies. Expert Systems With Applications, 2011, 38, 9830-9839.	4.4	43
26	Applying queuing approach for a stochastic location-inventory problem with two different mean inventory considerations. Applied Mathematical Modelling, 2016, 40, 578-596.	2.2	42
27	A modular approach to ERP system selection. Information Management and Computer Security, 2006, 14, 485-495.	1.2	40
28	An extended discrete particle swarm optimization algorithm for the dynamic facility layout problem. Journal of Zhejiang University: Science A, 2009, 10, 520-529.	1.3	40
29	Best-worst multi-criteria decision-making method: A robust approach. Decision Science Letters, 2018, , 323-340.	0.5	40
30	A supplier selection model in pharmaceutical supply chain using PCA, Z-TOPSIS and MILP: A case study. PLoS ONE, 2018, 13, e0201604.	1.1	40
31	Solving a periodic single-track train timetabling problem by an efficient hybrid algorithm. Engineering Applications of Artificial Intelligence, 2012, 25, 793-800.	4.3	38
32	A hybrid method for flowshops scheduling with condition-based maintenance constraint and machines breakdown. Expert Systems With Applications, 2011, 38, 2020-2029.	4.4	36
33	Fuzzy pricing and marketing planning model: A possibilistic geometric programming approach. Expert Systems With Applications, 2010, 37, 3392-3397.	4.4	34
34	Robust optimal dynamic production/pricing policies in a closed-loop system. Applied Mathematical Modelling, 2013, 37, 8141-8161.	2.2	34
35	Robust optimization framework for cardinality constrained portfolio problem. Applied Soft Computing Journal, 2012, 12, 91-99.	4.1	33
36	The periodicity and robustness in a single-track train scheduling problem. Applied Soft Computing Journal, 2012, 12, 440-452.	4.1	32

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37	Scheduling flowshops with condition-based maintenance constraint to minimize expected makespan. International Journal of Advanced Manufacturing Technology, 2010, 46, 757-767.	1.5	31
38	An efficient heuristic versus a robust hybrid meta-heuristic for general framework of serialâ€“parallel redundancy problem. Reliability Engineering and System Safety, 2009, 94, 1703-1710.	5.1	28
39	A new nonlinear stochastic staff scheduling model. Scientia Iranica, 2011, 18, 699-710.	0.3	27
40	Alternative design redundancy allocation using an efficient heuristic and a honey bee mating algorithm. Expert Systems With Applications, 2012, 39, 990-999.	4.4	26
41	Integrating goal programming, Kuhnâ€“Tucker conditions, and penalty function approaches to solve linear bi-level programming problems. Applied Mathematics and Computation, 2008, 195, 585-590.	1.4	25
42	Design a new intelligence expert decision making using game theory and fuzzy AHP to risk management in design, construction, and operation of tunnel projects (case studies: Resalat tunnel). International Journal of Advanced Manufacturing Technology, 2011, 53, 789-798.	1.5	25
43	A model to enhance the reliability of the serial parallel systems with component mixing. Applied Mathematical Modelling, 2014, 38, 1064-1076.	2.2	25
44	Minimumâ€“Maximum regret redundancy allocation with the choice of redundancy strategy and multiple choice of component type under uncertainty. Computers and Industrial Engineering, 2015, 79, 204-213.	3.4	25
45	A new MCDM-based approach using BWM and SAW for optimal search model. Decision Science Letters, 2018, , 395-404.	0.5	25
46	Fuzzy chance-constrained data envelopment analysis: a structured literature review, current trends, and future directions. Fuzzy Optimization and Decision Making, 2022, 21, 197-261.	3.4	25
47	The design of the vaccine supply network under uncertain condition. Journal of Modelling in Management, 2019, 14, 841-871.	1.1	23
48	Optimal pricing model for electronic products. Computers and Industrial Engineering, 2009, 56, 255-259.	3.4	22
49	Location based treatment activities for end of life products network design under uncertainty by a robust multi-objective memetic-based heuristic approach. Applied Soft Computing Journal, 2014, 23, 215-226.	4.1	22
50	Strategic and Tactical Design of Competing Decentralized Supply Chain Networks with Risk-Averse Participants for Markets with Uncertain Demand. Mathematical Problems in Engineering, 2011, 2011, 1-27.	0.6	19
51	Optimal pricing, lot-sizing and marketing planning in a capacitated and imperfect production system. Computers and Industrial Engineering, 2012, 62, 349-358.	3.4	19
52	Interval programming for the redundancy allocation with choices of redundancy strategy and component type under uncertainty: Erlang time to failure distribution. Applied Mathematics and Computation, 2014, 244, 413-421.	1.4	19
53	Retailer Stackelberg game in a supply chain with pricing and service decisions and simple price discount contract. PLoS ONE, 2018, 13, e0195109.	1.1	18
54	Mixed binary integer programming formulations for the flow shop scheduling problems. A case study: ISD projects scheduling. Applied Mathematics and Computation, 2007, 185, 218-228.	1.4	17

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55	A robust optimization model for p-median problem with uncertain edge lengths. International Journal of Advanced Manufacturing Technology, 2010, 50, 391-397.	1.5	17
56	A Multiobjective Stochastic Production-Distribution Planning Problem in an Uncertain Environment Considering Risk and Workers Productivity. Mathematical Problems in Engineering, 2011, 2011, 1-14.	0.6	17
57	A location-inventory-routing optimization model for cost effective design of microalgae biofuel distribution system: A case study in Iran. Energy Strategy Reviews, 2018, 22, 82-93.	3.3	17
58	Linguistic Z-number weighted averaging operators and their application to portfolio selection problem. PLoS ONE, 2020, 15, e0227307.	1.1	16
59	A firefly algorithm for solving competitive location-design problem: a case study. Journal of Industrial Engineering International, 2016, 12, 517-527.	1.8	14
60	A robust approach to design a single facility layout plan in dynamic manufacturing environments using a permutation-based genetic algorithm. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 2264-2274.	1.5	14
61	Augmented Îµ-constraint method in multiobjective staff scheduling problem: a case study. International Journal of Advanced Manufacturing Technology, 2014, 70, 1505-1514.	1.5	13
62	Robust counterpart optimization for the redundancy allocation problem in series-parallel systems with component mixing under uncertainty. Applied Mathematics and Computation, 2015, 271, 80-88.	1.4	13
63	A robust critical path in an environment with hybrid uncertainty. Applied Soft Computing Journal, 2012, 12, 1087-1100.	4.1	12
64	A fuzzy compromise programming approach for the Black-Litterman portfolio selection model. Decision Science Letters, 2013, 2, 11-22.	0.5	12
65	A state-of-art review on supplier selection problem. Decision Science Letters, 2013, 2, 59-70.	0.5	12
66	Robust cold standby redundancy allocation for nonrepairable seriesâ€“parallel systems through Min-Max regret formulation and Bendersâ€™ decomposition method. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2014, 228, 254-264.	0.6	12
67	Joint pricing and production management: a geometric programming approach with consideration of cubic production cost function. Journal of Industrial Engineering International, 2015, 11, 209-223.	1.8	12
68	Linguistic Z-Number Bonferroni Mean and Linguistic Z-Number Geometric Bonferroni Mean Operators: Their Applications in Portfolio Selection Problems. IEEE Access, 2020, 8, 98742-98760.	2.6	12
69	An efficient genetic algorithm for determining the optimal price discrimination. Applied Mathematics and Computation, 2006, 181, 1693-1702.	1.4	11
70	An application of efficient frontier in transportation of hazardous materials. Computers and Industrial Engineering, 2007, 53, 357-360.	3.4	10
71	Minimizing total flow time subject to preemption penalties in online scheduling. International Journal of Advanced Manufacturing Technology, 2010, 47, 227-236.	1.5	10
72	Robust train formation planning. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2010, 224, 75-90.	1.3	10

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73	A scenario-based robust optimization approach for batch processing scheduling. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 2286-2295.	1.5	10
74	A portfolio selection model based on the knapsack problem under uncertainty. PLoS ONE, 2019, 14, e0213652.	1.1	10
75	A robust optimization model for a biofuel supply chain under demand uncertainty. International Journal of Energy and Environmental Engineering, 2020, 11, 229-245.	1.3	10
76	Impact of pricing structure on supply chain coordination with cooperative advertising. RAIRO - Operations Research, 2020, 54, 1613-1629.	1.0	10
77	Robust Maintenance Scheduling of Aircraft Fleet: A Hybrid Simulation-Optimization Approach. IEEE Access, 2021, 9, 17854-17865.	2.6	10
78	An empirical analysis on robust Vehicle Routing Problem: a case study on drug industry. International Journal of Logistics Systems and Management, 2010, 7, 507.	0.2	9
79	A single-vendor single-buyer joint economic lot size model subject to budget constraints. International Journal of Advanced Manufacturing Technology, 2014, 70, 1699-1707.	1.5	9
80	Determining strategy of pricing for a web service with different QoS levels and reservation level constraint. Applied Mathematical Modelling, 2015, 39, 3784-3813.	2.2	9
81	Theoretical Drawbacks in Fuzzy Ranking Methods and Some Suggestions for a Meaningful Comparison: An Application to Fuzzy Risk Analysis. Cybernetics and Systems, 2017, 48, 551-575.	1.6	9
82	Robust network data envelopment analysis approach to evaluate the efficiency of regional electricity power networks under uncertainty. PLoS ONE, 2017, 12, e0184103.	1.1	9
83	Performance assessment of medical diagnostic laboratories: A network DEA approach. Journal of Evaluation in Clinical Practice, 2020, 26, 1504-1511.	0.9	9
84	Optimal pricing and ordering strategy for non-instantaneous deteriorating items with price and stock sensitive demand and capacity constraint. International Journal of Systems Science: Operations and Logistics, 2020, , 1-12.	2.0	9
85	A new approach to evaluate railways efficiency considering safety measures. Decision Science Letters, 2013, 2, 71-80.	0.5	8
86	Reliability optimization through robust redundancy allocation models with choice of component type under fuzziness. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2014, 228, 449-459.	0.6	8
87	An Ant Colony Algorithm for the Flowshop Scheduling Problem. Journal of Applied Sciences, 2008, 8, 3938-3944.	0.1	8
88	An economic order quantity for deteriorating items with allowable rework of deteriorated products. Journal of Industrial and Management Optimization, 2019, 15, 1857-1879.	0.8	8
89	Developing natural-gas-supply security to mitigate distribution disruptions: A case study of the National Iranian Gas Company. Journal of Cleaner Production, 2020, 254, 120066.	4.6	7
90	Advances in trust region algorithms for constrained optimization. Applied Numerical Mathematics, 1999, 29, 423-443.	1.2	6

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91	A dynamic programming approach to solve efficient frontier. Mathematical Methods of Operations Research, 2004, 60, 203-214.	0.4	6
92	Developing a location-inventory-routing model using METRIC approach in inventory policy. Uncertain Supply Chain Management, 2017, , 337-358.	2.3	6
93	A fuzzy multi-objective multi-product supplier selection and order allocation problem in supply chain under coverage and price considerations: An urban agricultural case study. Scientia Iranica, 2017, .	0.3	6
94	The General Flowshop Scheduling Problem: Mathematical Models. Journal of Applied Sciences, 2008, 8, 3032-3037.	0.1	6
95	Integrating Strategic and Tactical Decisions to Robust Designing of Cellular Manufacturing under Uncertainty: Fixed Suppliers in Supply Chain. International Journal of Computational Intelligence Systems, 2011, 4, 837-854.	1.6	5
96	Developing a multi-objective, multi-item inventory model and three algorithms for its solution. Journal of Zhejiang University: Science C, 2012, 13, 601-612.	0.7	5
97	A ROBUST OPTIMIZATION APPROACH FOR INDEX TRACKING PROBLEM. Journal of Computer Science, 2014, 10, 2450-2463.	0.5	5
98	A New Biobjective Model to Optimize Integrated Redundancy Allocation and Reliability-Centered Maintenance Problems in a System Using Metaheuristics. Mathematical Problems in Engineering, 2015, 2015, 1-16.	0.6	5
99	Pricing decisions in a decentralized biofuel supply chain with RIN mechanism. Energy Sources, Part B: Economics, Planning and Policy, 2019, 14, 254-273.	1.8	5
100	An integration of environmental awareness into flexible supply chains: a trade-off between costs and environmental pollution. Environmental Science and Pollution Research, 2021, , 1.	2.7	5
101	Optimizing supply chain network design with location-inventory decisions for perishable items: A Pareto-based MOEA approach. Scientia Iranica, 2016, 23, 3025-3045.	0.3	5
102	A stochastic multi-objective model based on the classical optimal search model for searching for the people who are lost in response stage of earthquake. Scientia Iranica, 2018, .	0.3	5
103	An improved approach for fault detection by simultaneous overcoming of high-dimensionality, autocorrelation, and time-variability. PLoS ONE, 2020, 15, e0243146.	1.1	5
104	A note on â€œA new approach for ranking fuzzy numbers based on possibility theoryâ€• Decision Science Letters, 2019, , 81-84.	0.5	4
105	Sustainable efficiency assessment of private diagnostic laboratories under uncertainty. Journal of Modelling in Management, 2020, 15, 1069-1103.	1.1	4
106	Supplier selection under uncertainty: A case study of home appliances maker. Uncertain Supply Chain Management, 2013, 1, 25-32.	2.3	3
107	Dynamic Pricing of a Web Service in an Advance Selling Environment. Mathematical Problems in Engineering, 2015, 2015, 1-21.	0.6	3
108	Equilibrium pricing and ordering policies in a two-echelon supply chain in the presence of strategic customers. Anais Da Academia Brasileira De Ciencias, 2016, 88, 1127-1150.	0.3	3

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109	A probabilistic portfolio budget allocation problem with CPI index under risk. Journal of Industrial and Production Engineering, 2016, 33, 236-246.	2.1	3
110	Optimal pricing and marketing planning for deteriorating items. PLoS ONE, 2017, 12, e0172758.	1.1	3
111	A Geometric Programming Approach for a Nonlinear Joint Production-Marketing Problem. , 2009, , .		2
112	Robust seriesâ€“parallel systems design under combined intervalâ€“ellipsoidal uncertainty sets. Journal of Manufacturing Systems, 2015, 37, 33-43.	7.6	2
113	A multi-product, multi-period model to select supplier for deteriorating products while considering uncertainty as well as backorder. Journal of Industrial Engineering International, 2019, 15, 93-101.	1.8	2
114	Solving a new bi-objective joint replenishment inventory model with modified RAND and genetic algorithms. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 1338-1353.	0.9	1
115	A decisionâ€making model for performance evaluation and profit sharing in a diagnostic laboratory network. Journal of Evaluation in Clinical Practice, 2020, 26, 1498-1503.	0.9	1
116	Artificial intelligence combined with nonlinear optimization techniques and their application for yield curve optimization. Journal of Industrial and Management Optimization, 2017, 13, 1701-1721.	0.8	1
117	A Mathematical Model for Competitive Location Problem with Product Selection. Scientia Iranica, 2018, .	0.3	1
118	An integrated pricing and lot sizing model with reliability consideration. , 2009, , .		0
119	Optimal Electronic Pricing With Uncertain Parameters. , 2010, , .		0
120	A Note on â€œAn Inventory Model for Deteriorating Items with Stock and Price Sensitive Demandâ€• International Journal of Applied and Computational Mathematics, 2017, 3, 2745-2746.	0.9	0
121	Corrigendum to â€œA New Biobjective Model to Optimize Integrated Redundancy Allocation and Reliability-Centered Maintenance Problems in a System Using Metaheuristicsâ€• Mathematical Problems in Engineering, 2017, 2017, 1-1.	0.6	0
122	A Robust Optimization Model for Resource Allocation Problem with Different Time Cycles. Journal of Applied Sciences, 2008, 8, 2462-2467.	0.1	0
123	Technology valuation of NTBFs in the field of cleaner production with regard to the investorsâ€™ flexibilities and uncertainties in public policy. Scientia Iranica, 2019, .	0.3	0
124	Optimization and Mathematical Programming to Design and Planning Issues in Cellular Manufacturing Systems under Uncertain Situations. , 0, , 539-558.		0
125	Ordering and pricing decisions of regular products in a supply chain with the effects of product-specific gift cards. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, 1.	0.8	0