Soheyl Khalilpourazari

List of Publications by Year
in descending order

30 papers	1,280 citations	304743 22 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	846 citing authors

#	Article	IF	Citations
1	An efficient hybrid algorithm based on Water Cycle and Moth-Flame Optimization algorithms for solving numerical and constrained engineering optimization problems. Soft Computing, 2019, 23, 1699-1722.	3.6	166
2	Bi-objective emergency blood supply chain network design in earthquake considering earthquake magnitude: a comprehensive study with real world application. Annals of Operations Research, 2019, 283, 355-393.	4.1	83
3	Gradient-based grey wolf optimizer with Gaussian walk: Application in modelling and prediction of the COVID-19 pandemic. Expert Systems With Applications, 2021, 177, 114920.	7.6	77
4	Mixed robust possibilistic flexible chance constraint optimization model for emergency blood supply chain network design. Annals of Operations Research, 2019, 283, 1079-1109.	4.1	65
5	Modeling and optimization of multi-item multi-constrained EOQ model for growing items. Knowledge-Based Systems, 2019, 164, 150-162.	7.1	64
6	Optimization of production time in the multi-pass milling process via a Robust Grey Wolf Optimizer. Neural Computing and Applications, 2018, 29, 1321-1336.	5.6	62
7	Multi-Objective Stochastic Fractal Search: a powerful algorithm for solving complex multi-objective optimization problems. Soft Computing, 2020, 24, 3037-3066.	3.6	59
8	Designing an efficient blood supply chain network in crisis: neural learning, optimization and case study. Annals of Operations Research, 2020, 289, 123-152.	4.1	56
9	A Robust Stochastic Fractal Search approach for optimization of the surface grinding process. Swarm and Evolutionary Computation, 2018, 38, 173-186.	8.1	53
10	Sine–cosine crow search algorithm: theory and applications. Neural Computing and Applications, 2020, 32, 7725-7742.	5.6	48
11	Designing a hybrid reinforcement learning based algorithm with application in prediction of the COVID-19 pandemic in Quebec. Annals of Operations Research, 2022, 312, 1261-1305.	4.1	45
12	Optimization of multi-product economic production quantity model with partial backordering and physical constraints: SQP, SFS, SA, and WCA. Applied Soft Computing Journal, 2016, 49, 770-791.	7.2	44
13	Multi-item EOQ model with nonlinear unit holding cost and partial backordering: moth-flame optimization algorithm. Journal of Industrial and Production Engineering, 2017, 34, 42-51.	3.1	44
14	SCWOA: an efficient hybrid algorithm for parameter optimization of multi-pass milling process. Journal of Industrial and Production Engineering, 2018, 35, 135-147.	3.1	42
15	A robust fuzzy approach for constrained multi-product economic production quantity with imperfect items and rework process. Optimization, 2020, 69, 63-90.	1.7	41
16	Robust modelling and prediction of the COVID-19 pandemic in Canada. International Journal of Production Research, 2023, 61, 8367-8383.	7.5	37
17	A lexicographic weighted Tchebycheff approach for multi-constrained multi-objective optimization of the surface grinding process. Engineering Optimization, 2017, 49, 878-895.	2.6	35
18	Designing emergency flood evacuation plans using robust optimization and artificial intelligence. Journal of Combinatorial Optimization, 2021, 41, 640-677.	1.3	31

#	Article	IF	Citations
19	Optimization of time, cost and surface roughness in grinding process using a robust multi-objective dragonfly algorithm. Neural Computing and Applications, 2020, 32, 3987-3998.	5.6	30
20	Optimizing a multi-item economic order quantity problem with imperfect items, inspection errors, and backorders. Soft Computing, 2019, 23, 11671-11698.	3.6	28
21	Designing energy-efficient high-precision multi-pass turning processes via robust optimization and artificial intelligence. Journal of Intelligent Manufacturing, 2021, 32, 1621-1647.	7.3	28
22	Robust possibilistic programming for multi-item EOQ model with defective supply batches: Whale Optimization and Water Cycle Algorithms. Neural Computing and Applications, 2019, 31, 6587-6614.	5.6	27
23	Bi-objective optimization of multi-product EPQ model with backorders, rework process and random defective rate. , 2016, , .		19
24	Robust Fuzzy chance constraint programming for multi-item EOQ model with random disruption and partial backordering under uncertainty. Journal of Industrial and Production Engineering, 2019, 36, 276-285.	3.1	19
25	Optimization of closed-loop Supply chain network design: A Water Cycle Algorithm approach. , 2016, , .		17
26	Minimizing makespan in a single machine scheduling problem with deteriorating jobs and learning effects. , 2017, , .		16
27	A flexible robust model for blood supply chain network design problem. Annals of Operations Research, 2023, 328, 701-726.	4.1	15
28	Multi-objective optimization of multi-item EOQ model with partial backordering and defective batches and stochastic constraints using MOWCA and MOGWO. Operational Research, 2020, 20, 1729-1761.	2.0	12
29	Stochastic weekly operating room planning with an exponential number of scenarios. Annals of Operations Research, 2023, 328, 643-664.	4.1	11
30	Using reinforcement learning to forecast the spread of COVID-19 in France. , 2021, , .		6