Jamal Arkat

List of Publications by Year
in descending order

30 papers	864 citations	516215 16 h-index	500791 28 g-index
31 all docs	31 docs citations	31 times ranked	723 citing authors

#	Article	IF	Citations
1	Bi-objective resource-constrained project scheduling with robustness and makespan criteria. Applied Mathematics and Computation, 2006, 180, 146-152.	1.4	91
2	Flexible job shop scheduling with overlapping in operations. Applied Mathematical Modelling, 2009, 33, 3076-3087.	2.2	73
3	Complete Coverage Path Planning for a Multi-UAV Response System in Post-Earthquake Assessment. Robotics, 2016, 5, 26.	2.1	73
4	Estimating the parameters of Weibull distribution using simulated annealing algorithm. Applied Mathematics and Computation, 2006, 183, 85-93.	1.4	68
5	Two-level vehicle routing with cross-docking in a three-echelon supply chain: A genetic algorithm approach. Applied Mathematical Modelling, 2015, 39, 7065-7081.	2.2	67
6	Applying simulated annealing to cellular manufacturing system design. International Journal of Advanced Manufacturing Technology, 2007, 32, 531-536.	1.5	61
7	Multi-objective genetic algorithm for cell formation problem considering cellular layout and operations scheduling. International Journal of Computer Integrated Manufacturing, 2012, 25, 625-635.	2.9	50
8	Cell formation with alternative process routings and machine reliability consideration. International Journal of Advanced Manufacturing Technology, 2008, 35, 761-768.	1.5	43
9	Integrating cell formation with cellular layout and operations scheduling. International Journal of Advanced Manufacturing Technology, 2012, 61, 637-647.	1.5	42
10	Minimization of exceptional elements and voids in the cell formation problem using a multi-objective genetic algorithm. Expert Systems With Applications, 2011, 38, 9597-9602.	4.4	41
11	Bi-objective covering tour location routing problem with replenishment at intermediate depots: Formulation and meta-heuristics. Computers and Industrial Engineering, 2017, 110, 191-206.	3.4	38
12	Artificial neural networks in applying MCUSUM residuals charts for AR(1) processes. Applied Mathematics and Computation, 2007, 189, 1889-1901.	1.4	36
13	Modelling the effects of machine breakdowns in the generalized cell formation problem. International Journal of Advanced Manufacturing Technology, 2008, 39, 838-850.	1.5	32
14	Competition and cooperation in the sustainable food supply chain with a focus on social issues. Journal of Cleaner Production, 2021, 285, 124872.	4.6	22
15	A new branch and bound algorithm for cell formation problem. Applied Mathematical Modelling, 2012, 36, 5091-5100.	2.2	18
16	A stochastic model for the generalised cell formation problem considering machine reliability. International Journal of Computer Integrated Manufacturing, 2011, 24, 1095-1102.	2.9	16
17	A vibration damping optimization algorithm for the integrated problem of cell formation, cellular scheduling, and intercellular layout. Computers and Industrial Engineering, 2020, 143, 106439.	3.4	16
18	Incorporating dynamic cellular manufacturing into strategic supply chain design. International Journal of Advanced Manufacturing Technology, 2018, 95, 2429-2447.	1.5	14

#	Article	IF	Citations
19	Scheduling of virtual manufacturing cells with outsourcing allowed. International Journal of Computer Integrated Manufacturing, 2014, 27, 1079-1089.	2.9	12
20	A multi-verse optimizer algorithm for ambulance repositioning in emergency medical service systems. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 549-570.	3.3	9
21	A multi-objective model for identifying valuable nodes in complex networks with minimum cost. Cluster Computing, 2020, 23, 2719-2733.	3.5	8
22	Solving permutation flow shop sequencing using ant colony optimization. , 2007, , .		7
23	Stochastic group shop scheduling with fuzzy due dates. Journal of Intelligent and Fuzzy Systems, 2017, 33, 2075-2084.	0.8	5
24	Integration of Facility Location and Hypercube Queuing Models in Emergency Medical Systems. Journal of Systems Science and Systems Engineering, 2021, 30, 495.	0.8	5
25	APPLYING METAHEURISTICS IN THE GENERALIZED CELL FORMATION PROBLEM CONSIDERING MACHINE RELIABILITY. Journal of the Chinese Institute of Industrial Engineers, 2008, 25, 261-274.	0.5	4
26	A simulation-optimization algorithm for return strategies in emergency medical systems. Simulation, 2021, 97, 565-588.	1.1	4
27	Locations of congested facilities with interruptible immobile servers. Computers and Industrial Engineering, 2021, 156, 107220.	3.4	4
28	A multi-period bi-level model for a competitive food supply chain with sustainability considerations. Journal of Cleaner Production, 2021, 325, 129260.	4.6	3
29	Hypercube Queuing Models in Emergency Service Systems: A State-of-the-Art Review. Scientia Iranica, 2018, .	0.3	1
30	Cooperation mechanisms for a competitive, sustainable food supply chain to reduce greenhouse gas emissions. Environmental Science and Pollution Research, 2022, 29, 32142-32160.	2.7	1