Maghsud Solimanpur

List of Publications by Year
in descending order

46 papers	1,693 citations	279798 23 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	1264 citing authors

#	Article	IF	Citations
1	An ant algorithm for the single row layout problem in flexible manufacturing systems. Computers and Operations Research, 2005, 32, 583-598.	4.0	147
2	Ant colony optimization algorithm to the inter-cell layout problem in cellular manufacturing. European Journal of Operational Research, 2004, 157, 592-606.	5.7	145
3	Designing a mathematical model for dynamic cellular manufacturing systems considering production planning and worker assignment. Computers and Mathematics With Applications, 2010, 60, 1014-1025.	2.7	127
4	Genetic algorithm approach for solving a cell formation problem in cellular manufacturing. Expert Systems With Applications, 2009, 36, 6598-6604.	7.6	109
5	A simulated annealing algorithm for the job shop cell scheduling problem with intercellular moves and reentrant parts. Computers and Industrial Engineering, 2011, 61, 171-178.	6.3	83
6	A multi-objective genetic algorithm approach to the design of cellular manufacturing systems. International Journal of Production Research, 2004, 42, 1419-1441.	7.5	78
7	Solving multi-objective portfolio optimization problem using invasive weed optimization. Swarm and Evolutionary Computation, 2016, 28, 42-57.	8.1	76
8	Development of a simulation-based decision support system for controlling stochastic flexible job shop manufacturing systems. Simulation Modelling Practice and Theory, 2010, 18, 768-786.	3.8	64
9	An ant algorithm for optimization of hole-making operations. Computers and Industrial Engineering, 2007, 52, 308-319.	6.3	60
10	Using the Taguchi method to optimize the differential evolution algorithm parameters for minimizing the workload smoothness index in simple assembly line balancing. Mathematical and Computer Modelling, 2013, 57, 137-151.	2.0	59
11	Optimal solution for the two-dimensional facility layout problem using a branch-and-bound algorithm. Computers and Industrial Engineering, 2008, 55, 606-619.	6.3	57
12	Prediction and reduction of diesel engine emissions using a combined ANNâ€"ACO method. Applied Soft Computing Journal, 2015, 34, 139-150.	7.2	57
13	Multi-objective cell formation and production planning in dynamic virtual cellular manufacturing systems. International Journal of Production Research, 2011, 49, 6517-6537.	7.5	56
14	A new mathematical model for integrating all incidence matrices in multi-dimensional cellular manufacturing system. Journal of Manufacturing Systems, 2012, 31, 214-223.	13.9	52
15	Applying simulated annealing for designing cellular manufacturing systems using MDmTSP. Computers and Industrial Engineering, 2010, 59, 929-936.	6.3	49
16	An integrated supply chain configuration model and procurement management under uncertainty: A set-based robust optimization methodology. Applied Mathematical Modelling, 2016, 40, 7928-7947.	4.2	49
17	A tabu search approach for cell scheduling problem with makespan criterion. International Journal of Production Economics, 2013, 141, 639-645.	8.9	45
18	A neuro-tabu search heuristic for the flow shop scheduling problem. Computers and Operations Research, 2004, 31, 2151-2164.	4.0	43

#	Article	IF	Citations
19	Optimum loading of machines in a flexible manufacturing system using a mixed-integer linear mathematical programming model and genetic algorithm. Computers and Industrial Engineering, 2012, 62, 469-478.	6.3	38
20	Solving cell formation problem in cellular manufacturing using ant-colony-based optimization. International Journal of Advanced Manufacturing Technology, 2010, 50, 1135-1144.	3.0	34
21	Optimisation of cutting parameters using a multi-objective genetic algorithm. International Journal of Production Research, 2009, 47, 6019-6036.	7.5	32
22	A tabu search approach for group scheduling in buffer-constrained flow shop cells. International Journal of Computer Integrated Manufacturing, 2011, 24, 257-268.	4.6	27
23	A new approach to the cell formation problem with alternative processing routes and operation sequence. International Journal of Production Research, 2011, 49, 5833-5849.	7.5	26
24	Supplier selection and order allocation using two-stage hybrid supply chain model and game-based order price. Operational Research, 2021, 21, 553-588.	2.0	24
25	Solving facilities location problem in the presence of alternative processing routes using a genetic algorithm. Computers and Industrial Engineering, 2010, 59, 830-839.	6.3	23
26	Scaling on the Spectral Gradient Method. Journal of Optimization Theory and Applications, 2013, 158, 626-635.	1.5	18
27	A multi-objective genetic algorithm for solving cell formation problem using a fuzzy goal programming approach. International Journal of Advanced Manufacturing Technology, 2014, 70, 1635-1652.	3.0	15
28	Developing a mathematical model for cell formation in cellular manufacturing systems. International Journal of Operational Research, 2011, 11, 408.	0.2	12
29	Feasibility and robustness of transiently chaotic neural networks applied to the cell formation problem. International Journal of Production Research, 2004, 42, 1065-1082.	7.5	10
30	A nondominated ranked genetic algorithm for bi-objective single machine preemptive scheduling in just-in-time environment. International Journal of Advanced Manufacturing Technology, 2011, 55, 1135-1147.	3.0	10
31	Optimum process plan selection via branch-and-bound algorithm in an automated manufacturing environment. International Journal of Operational Research, 2012, 13, 281.	0.2	9
32	Intelligent decision support system for the adaptive control of a flexible manufacturing system with machine and tool flexibility. International Journal of Production Research, 2012, 50, 3288-3314.	7.5	9
33	Minimising tool switching and indexing times by ant colony optimisation in automatic machining centres. International Journal of Operational Research, 2012, 13, 465.	0.2	8
34	Multi-objective multi-model assembly line balancing problem: a quantitative study in engine manufacturing industry. Opsearch, 2019, 56, 603-627.	1.8	8
35	Production planning and cell formation in dynamic virtual cellular manufacturing systems with worker flexibility. , 2009, , .		6
36	Inverse Dynamic Data Envelopment Analysis for Evaluating Faculties of University with Quasi-Fixed Inputs. Social Indicators Research, 2020, 148, 323-347.	2.7	6

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37	Lot size approximation based on minimising total delay in a shop with multi-assembly products. International Journal of Production Research, 2009, 47, 2685-2703.	7.5	5
38	A novel approach for optimization in a fuzzy finite capacity queuing model with system cost and expected degree of customer satisfaction. Decision Science Letters, 2015, 4, 487-496.	1.2	5
39	Joint server selection and replica placement in urban content delivery networks. International Journal of Operational Research, 2016, 25, 288.	0.2	4
40	Modelling of multi-period multi-product production planning considering production routes. International Journal of Production Research, 2012, 50, 1749-1766.	7.5	2
41	Optimum route selection in hole-making operations using a dynamic programming-based method. Cogent Engineering, 2016, 3, 1201991.	2.2	2
42	A Multi-objective Fuzzy Goal Programming P-hub Location and Protection Model with Back-up Hubs Considering Hubs Establishment Fixed Costs. Scientia Iranica, 2016, 23, 1941-1951.	0.4	2
43	A new heuristic for rectangular stock-cutting problem. International Journal of Operational Research, 2011, 12, 390.	0.2	1
44	Optimization of Biomass-to-Bioenergy Logistics Network Design Problem: A Case Study. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	1
45	Offline and online broadcast scheduling algorithms for file broadcast in mobile WiMAX. , 2012, , .		0
46	A segmentation approach for file broadcast scheduling. Journal of Parallel and Distributed Computing, 2013, 73, 1375-1388.	4.1	0