Masoud

List of Publications by Year
in descending order

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42 papers	756 citations	567281 15 h-index	526287 27 g-index
42 all docs	42 docs citations	42 times ranked	746 citing authors

#	Article	IF	Citations
1	A hybrid algorithm for artificial neural network training. Engineering Applications of Artificial Intelligence, 2013, 26, 293-301.	8.1	119
2	Railway passenger train delay prediction via neural network model. Journal of Advanced Transportation, 2013, 47, 355-368.	1.7	98
3	Solving railroad blocking problem using ant colony optimization algorithm. Applied Mathematical Modelling, 2011, 35, 5579-5591.	4.2	75
4	Train timetabling for an urban rail transit line using a Lagrangian relaxation approach. Applied Mathematical Modelling, 2016, 40, 9892-9913.	4.2	57
5	Train timetabling at rapid rail transit lines: a robust multi-objective stochastic programming approach. Operational Research, 2017, 17, 435-477.	2.0	34
6	A hybrid metaheuristic approach for the capacitated p-median problem. Applied Soft Computing Journal, 2013, 13, 3922-3930.	7.2	29
7	Timetable optimization models and methods for minimizing passenger waiting time at public transit terminals. Transportation Planning and Technology, 2017, 40, 278-304.	2.0	29
8	Multicommodity Network Design Problem in Rail Freight Transportation Planning. Procedia, Social and Behavioral Sciences, 2012, 43, 728-739.	0.5	26
9	A Simplex-based simulated annealing algorithm for node-arc capacitated multicommodity network design. Applied Soft Computing Journal, 2012, 12, 2997-3003.	7.2	22
10	A hybrid metaheuristic algorithm for dynamic rail car fleet sizing problem. Applied Mathematical Modelling, 2013, 37, 4127-4138.	4.2	22
11	Optimizing headways for urban rail transit services using adaptive particle swarm algorithms. Public Transport, 2018, 10, 23-62.	2.7	22
12	Solving train formation problem using simulated annealing algorithm in a simplex framework. Journal of Advanced Transportation, 2014, 48, 402-416.	1.7	20
13	An improved local branching approach for train formation planning. Applied Mathematical Modelling, 2013, 37, 2300-2307.	4.2	19
14	AN INTEGER PROGRAMMING MODEL FOR ANALYSING IMPACTS OF DIFFERENT TRAIN TYPES ON RAILWAY LINE CAPACITY. Transport, 2014, 29, 28-35.	1.2	19
15	A set covering approach for multi-depot train driver scheduling. Journal of Combinatorial Optimization, 2015, 29, 636-654.	1.3	17
16	A hybrid simulated annealing and column generation approach for capacitated multicommodity network design. Journal of the Operational Research Society, 2013, 64, 1010-1020.	3.4	16
17	Capacity Consumption Analysis Using Heuristic Solution Method for Under Construction Railway Routes. Networks and Spatial Economics, 2014, 14, 317-333.	1.6	16
18	An optimization model to solve skidding problem in steep slope terrain. Journal of Forest Economics, 2015, 21, 250-268.	0.2	15

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19	A fuzzy railroad blocking model with genetic algorithm solution approach for Iranian railways. Applied Mathematical Modelling, 2015, 39, 6114-6125.	4.2	15
20	A hybrid solution method for fuzzy train formation planning. Applied Soft Computing Journal, 2015, 31, 257-265.	7.2	12
21	A Cutting-Plane Neighborhood Structure for Fixed-Charge Capacitated Multicommodity Network Design Problem. INFORMS Journal on Computing, 2015, 27, 48-58.	1.7	10
22	DIMMA. International Journal of Applied Metaheuristic Computing, 2010, 1, 57-74.	0.7	8
23	Tabu Search Algorithm for the Railroad Blocking Problem. Journal of Transportation Engineering, 2013, 139, 216-222.	0.9	8
24	A population-based algorithm for the railroad blocking problem. Journal of Industrial Engineering International, 2012, 8, 1.	1.8	7
25	An efficient heuristic algorithm for the capacitated $$p-!$$ median problem. 4or, 2013, 11, 229-248.	1.6	7
26	GOFAM: a hybrid neural network classifier combining fuzzy ARTMAP and genetic algorithm. Artificial Intelligence Review, 2013, 39, 183-193.	15.7	7
27	A DIMMA-Based Memetic Algorithm for 0-1 Multidimensional Knapsack Problem Using DOE Approach for Parameter Tuning. International Journal of Applied Metaheuristic Computing, 2012, 3, 43-55.	0.7	4
28	A mathematical formulation and an <scp>LPâ€based</scp> neighborhood search matheuristic solution method for the integrated train blocking and shipment path problem. Networks, 2021, 78, 523-542.	2.7	4
29	DIMMA-Implemented Metaheuristics for Finding Shortest Hamiltonian Path Between Iranian Cities Using Sequential DOE Approach for Parameters Tuning. International Journal of Applied Metaheuristic Computing, 2011, 2, 74-92.	0.7	4
30	A Hybrid Simulated Annealing and Simplex Method for Fixed-Cost Capacitated Multicommodity Network Design. International Journal of Applied Metaheuristic Computing, 2011, 2, 13-28.	0.7	3
31	GeneticTKM. International Journal of Applied Metaheuristic Computing, 2013, 4, 67-77.	0.7	3
32	Reengineering the Locomotive Operation Management Process in the Railways of Iran (RAI). Procedia, Social and Behavioral Sciences, 2012, 43, 86-97.	0.5	2
33	An Effective Improvement to Main Non-periodic Train Scheduling Models by a New Headway Definition. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 735-745.	1.9	2
34	Optimizing Railroad Operating Plans: A Compound Freight Routing and Train Scheduling Model. , 2002, , 320.		1
35	DOE-based parameter tuning for local branching algorithm. International Journal of Metaheuristics, 2012, 2, 1.	0.1	1
36	Passenger Train Delay Classification. International Journal of Applied Metaheuristic Computing, 2013, 4, 21-31.	0.7	1

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37	An adaptive structure on a new local branching algorithm using instantaneous dimensions and convergence speed: a case study for multi-commodity network design problems. SN Applied Sciences, 2020, 2, 1.	2.9	1
38	A Hybrid Simulated Annealing and Simplex Method for Fixed-Cost Capacitated Multicommodity Network Design. , 0, , 17-31.		1
39	Passenger Train Delay Classification. , 2015, , 310-319.		0
40	GeneticTKM. , 2015, , 651-661.		0
41	Optimization of embedded rail slab track with respect to the environmental vibrations. Scientia Iranica, 2018, .	0.4	0
42	DIMMA-Implemented Metaheuristics for Finding Shortest Hamiltonian Path Between Iranian Cities Using Sequential DOE Approach for Parameters Tuning. , 0, , 289-305.		0