

Christine L Mumford

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,062
citations

516561

16
h-index

526166

27
g-index

41
all docs

41
docs citations

41
times ranked

911
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the impact of cost optimization based on infrastructure modelling on CO2 emissions. International Journal of Production Economics, 2011, 131, 313-321.	5.1	158
2	A hybrid multi-objective approach to capacitated facility location with flexible store allocation for green logistics modeling. Transportation Research, Part E: Logistics and Transportation Review, 2014, 66, 1-22.	3.7	125
3	A metaheuristic approach to the urban transit routing problem. Journal of Heuristics, 2010, 16, 353-372.	1.1	86
4	Solving urban transit route design problem using selection hyper-heuristics. European Journal of Operational Research, 2019, 274, 545-559.	3.5	64
5	VLSI placement and area optimization using a genetic algorithm to breed normalized postfix expressions. IEEE Transactions on Evolutionary Computation, 2002, 6, 390-401.	7.5	61
6	New heuristic and evolutionary operators for the multi-objective urban transit routing problem. , 2013, , .		51
7	Data set generation for rectangular placement problems. European Journal of Operational Research, 2001, 134, 378-391.	3.5	47
8	Estimating the Held-Karp lower bound for the geometric TSP. European Journal of Operational Research, 1997, 102, 157-175.	3.5	39
9	A symmetric convexity measure. Computer Vision and Image Understanding, 2006, 103, 101-111.	3.0	38
10	A simple multi-objective optimization algorithm for the urban transit routing problem. , 2009, , .		31
11	The single vehicle pickup and delivery problem with time windows: intelligent operators for heuristic and metaheuristic algorithms. Journal of Heuristics, 2010, 16, 417-439.	1.1	31
12	Traffic lights synchronization for Bus Rapid Transit using a parallel evolutionary algorithm. International Journal of Transportation Science and Technology, 2019, 8, 53-67.	2.0	26
13	The multi-objective uncapacitated facility location problem for green logistics. , 2009, , .		23
14	A wide-ranging computational comparison of high-performance graph colouring algorithms. Computers and Operations Research, 2012, 39, 1933-1950.	2.4	23
15	An adaptive scaled network for public transport route optimisation. Public Transport, 2019, 11, 379-412.	1.7	22
16	Simple Population Replacement Strategies for a Steady-State Multi-objective Evolutionary Algorithm. Lecture Notes in Computer Science, 2004, , 1389-1400.	1.0	20
17	Public transport network optimisation in PTV Visum using selection hyper-heuristics. Public Transport, 2021, 13, 163-196.	1.7	19
18	Title is missing!. Journal of Heuristics, 2001, 7, 5-21.	1.1	17

#	ARTICLE	IF	CITATIONS
19	How safe is it to shop? Estimating the amount of space needed to safely social distance in various retail environments. <i>Safety Science</i> , 2020, 132, 104985.	2.6	17
20	Investigating the use of metaheuristics for solving single vehicle routing problems with time-varying traversal costs. <i>Journal of the Operational Research Society</i> , 2013, 64, 34-47.	2.1	15
21	Constructing initial solutions for the multiple vehicle pickup and delivery problem with time windows. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2012, 24, 59-69.	2.7	14
22	An Improved Multi-objective Algorithm for the Urban Transit Routing Problem. <i>Lecture Notes in Computer Science</i> , 2014, , 49-60.	1.0	14
23	Comparing representations and recombination operators for the multi-objective 0/1 knapsack problem. , 0, , .		12
24	A multiobjective framework for heavily constrained examination timetabling problems. <i>Annals of Operations Research</i> , 2010, 180, 3-31.	2.6	10
25	Footfall signatures and volumes: Towards a classification of UK centres. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2021, 48, 1495-1510.	1.0	10
26	Adaptive Learning of Process Control and Profit Optimization Using a Classifier System. <i>Evolutionary Computation</i> , 1995, 3, 177-198.	2.3	9
27	Optimising large scale public transport network design problems using mixed-mode parallel multi-objective evolutionary algorithms. , 2014, , .		9
28	Optimising bus routes with fixed terminal nodes. , 2019, , .		9
29	Single vehicle pickup and delivery with time windows. , 2007, , .		8
30	An evolutionary bi-objective approach to the capacitated facility location problem with cost and CO ₂ emissions. , 2011, , .		7
31	Exact and hyper-heuristic solutions for the distribution installation problem from the VeRoLog 2019 challenge. <i>Networks</i> , 2020, 76, 294-319.	1.6	6
32	Solving the One-Commodity Pickup and Delivery Problem Using an Adaptive Hybrid VNS/SA Approach. , 2010, , 189-198.		5
33	Synergy in Computational Intelligence. <i>Intelligent Systems Reference Library</i> , 2009, , 3-21.	1.0	4
34	A symmetric convexity measure. , 2004, , .		3
35	An Order Based Evolutionary Approach to Dual Objective Examination Timetabling. , 2007, , .		2
36	A weight-coded genetic algorithm for the capacitated arc routing problem. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
37	An Exact Dynamic Programming Based Method to Solve Optimisation Problems Using GPUs. , 2014, , .		2
38	Optimizing the Placement of ITAPs in Wireless Mesh Networks by Implementing HC and SA Algorithms. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 29-41.	0.2	2
39	An adaptive hybrid VNS/SA approach to the one-commodity pickup and delivery problem. , 2010, , .		1
40	An Order Based Memetic Evolutionary Algorithm for Set Partitioning Problems. Studies in Computational Intelligence, 2008, , 881-925.	0.7	1