

Christine L Mumford

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

804
citations

15
h-index

27
g-index

41
ext. papers

925
ext. citations

3.5
avg, IF

4.58
L-index

#	Paper	IF	Citations
40	Public transport network optimisation in PTV Visum using selection hyper-heuristics. <i>Public Transport</i> , 2021 , 13, 163-196	2.1	11
39	Footfall signatures and volumes: Towards a classification of UK centres. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2020 , 239980832091141	2	4
38	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	5.8	11
37	Exact and hyper-heuristic solutions for the distribution-installation problem from the VeRoLog 2019 challenge. <i>Networks</i> , 2020 , 76, 294-319	1.6	3
36	An adaptive scaled network for public transport route optimisation. <i>Public Transport</i> , 2019 , 11, 379-412	2.1	14
35	Optimising bus routes with fixed terminal nodes 2019 ,		7
34	Traffic lights synchronization for Bus Rapid Transit using a parallel evolutionary algorithm. <i>International Journal of Transportation Science and Technology</i> , 2019 , 8, 53-67	3.3	13
33	Solving urban transit route design problem using selection hyper-heuristics. <i>European Journal of Operational Research</i> , 2019 , 274, 545-559	5.6	40
32	Optimizing the Placement of ITAPs in Wireless Mesh Networks by Implementing HC and SA Algorithms. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 29-41	0.2	2
31	A hybrid multi-objective approach to capacitated facility location with flexible store allocation for green logistics modeling. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 66, 1-22	9	103
30	Optimising large scale public transport network design problems using mixed-mode parallel multi-objective evolutionary algorithms 2014 ,		7
29	An Improved Multi-objective Algorithm for the Urban Transit Routing Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 49-60	0.9	10
28	New heuristic and evolutionary operators for the multi-objective urban transit routing problem 2013 ,		38
27	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	13
26	A wide-ranging computational comparison of high-performance graph colouring algorithms. <i>Computers and Operations Research</i> , 2012 , 39, 1933-1950	4.6	19
25	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	2.5	9
24	Assessing the impact of cost optimization based on infrastructure modelling on CO2 emissions. <i>International Journal of Production Economics</i> , 2011 , 131, 313-321	9.3	135

23	An evolutionary bi-objective approach to the capacitated facility location problem with cost and CO2emissions 2011 ,		6
22	An adaptive hybrid VNS/SA approach to the one-commodity pickup and delivery problem 2010 ,		1
21	A multiobjective framework for heavily constrained examination timetabling problems. <i>Annals of Operations Research</i> , 2010 , 180, 3-31	3.2	8
20	The single vehicle pickup and delivery problem with time windows: intelligent operators for heuristic and metaheuristic algorithms. <i>Journal of Heuristics</i> , 2010 , 16, 417-439	1.9	23
19	A metaheuristic approach to the urban transit routing problem. <i>Journal of Heuristics</i> , 2010 , 16, 353-372	1.9	64
18	Solving the One-Commodity Pickup and Delivery Problem Using an Adaptive Hybrid VNS/SA Approach 2010 , 189-198		3
17	A weight-coded genetic algorithm for the capacitated arc routing problem 2009 ,		2
16	The multi-objective uncapacitated facility location problem for green logistics 2009 ,		18
15	A simple multi-objective optimization algorithm for the urban transit routing problem 2009 ,		24
14	Synergy in Computational Intelligence. <i>Intelligent Systems Reference Library</i> , 2009 , 3-21	0.8	3
13	An Order Based Memetic Evolutionary Algorithm for Set Partitioning Problems. <i>Studies in Computational Intelligence</i> , 2008 , 881-925	0.8	1
12	2007 ,		2
11	Single vehicle pickup and delivery with time windows 2007 ,		6
10	New Order-Based Crossovers for the Graph Coloring Problem. <i>Lecture Notes in Computer Science</i> , 2006 , 880-889	0.9	16
9	A symmetric convexity measure. <i>Computer Vision and Image Understanding</i> , 2006 , 103, 101-111	4.3	34
8	A symmetric convexity measure 2004 ,		2
7	Simple Population Replacement Strategies for a Steady-State Multi-objective Evolutionary Algorithm. <i>Lecture Notes in Computer Science</i> , 2004 , 1389-1400	0.9	19
6	VLSI placement and area optimization using a genetic algorithm to breed normalized postfix expressions. <i>IEEE Transactions on Evolutionary Computation</i> , 2002 , 6, 390-401	15.6	40

5	Data set generation for rectangular placement problems. <i>European Journal of Operational Research</i> , 2001 , 134, 378-391	5.6	36
4	A Study of Permutation Operators for Minimum Span Frequency Assignment Using an Order Based Representation. <i>Journal of Heuristics</i> , 2001 , 7, 5-21	1.9	13
3	Estimating the Held-Karp lower bound for the geometric TSP. <i>European Journal of Operational Research</i> , 1997 , 102, 157-175	5.6	28
2	Adaptive Learning of Process Control and Profit Optimization Using a Classifier System. <i>Evolutionary Computation</i> , 1995 , 3, 177-198	4.3	9
1	Comparing representations and recombination operators for the multi-objective 0/1 knapsack problem		6