Christine L Mumford

List of Publications by Citations

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	Assessing the impact of cost optimization based on infrastructure modelling on CO2 emissions. *International Journal of Production Economics*, **2011**, 131, 313-321	9.3	135
39	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	9	103
38	A metaheuristic approach to the urban transit routing problem. *Journal of Heuristics*, **2010**, 16, 353-372	1.9	64
37	VLSI placement and area optimization using a genetic algorithm to breed normalized postfix expressions. *IEEE Transactions on Evolutionary Computation*, **2002**, 6, 390-401	15.6	40
36	Solving urban transit route design problem using selection hyper-heuristics. *European Journal of Operational Research*, **2019**, 274, 545-559	5.6	40
35	New heuristic and evolutionary operators for the multi-objective urban transit routing problem **2013**,		38
34	Data set generation for rectangular placement problems. *European Journal of Operational Research* , **2001**, 134, 378-391	5.6	36
33	A symmetric convexity measure. *Computer Vision and Image Understanding*, **2006**, 103, 101-111	4.3	34
32	Estimating the Held-Karp lower bound for the geometric TSP. *European Journal of Operational Research*, **1997**, 102, 157-175	5.6	28
31	A simple multi-objective optimization algorithm for the urban transit routing problem **2009**,		24
30	The single vehicle pickup and delivery problem with time windows: intelligent operators for heuristic and metaheuristic algorithms. *Journal of Heuristics*, **2010**, 16, 417-439	1.9	23
29	A wide-ranging computational comparison of high-performance graph colouring algorithms. *Computers and Operations Research*, **2012**, 39, 1933-1950	4.6	19
28	Simple Population Replacement Strategies for a Steady-State Multi-objective Evolutionary Algorithm. *Lecture Notes in Computer Science*, **2004**, 1389-1400	0.9	19
27	The multi-objective uncapacitated facility location problem for green logistics **2009**,		18
26	New Order-Based Crossovers for the Graph Coloring Problem. *Lecture Notes in Computer Science*, **2006**, 880-889	0.9	16
25	An adaptive scaled network for public transport route optimisation. *Public Transport*, **2019**, 11, 379-412	2.1	14
24	Investigating the use of metaheuristics for solving single vehicle routing problems with time-varying traversal costs. *Journal of the Operational Research Society*, **2013**, 64, 34-47	2	13

23	A Study of Permutation Operators for Minimum Span Frequency Assignment Using an Order Based Representation. *Journal of Heuristics*, **2001**, 7, 5-21	1.9	13
22	Traffic lights synchronization for Bus Rapid Transit using a parallel evolutionary algorithm. *International Journal of Transportation Science and Technology*, **2019**, 8, 53-67	3.3	13
21	How safe is it to shop? Estimating the amount of space needed to safely social distance in various retail environments. *Safety Science*, **2020**, 132, 104985	5.8	11
20	Public transport network optimisation in PTV Visum using selection hyper-heuristics. *Public Transport*, **2021**, 13, 163-196	2.1	11
19	An Improved Multi-objective Algorithm for the Urban Transit Routing Problem. *Lecture Notes in Computer Science*, **2014**, 49-60	0.9	10
18	Constructing initial solutions for the multiple vehicle pickup and delivery problem with time windows. *Journal of King Saud University - Computer and Information Sciences*, **2012**, 24, 59-69	2.5	9
17	Adaptive Learning of Process Control and Profit Optimization Using a Classifier System. *Evolutionary Computation*, **1995**, 3, 177-198	4.3	9
16	A multiobjective framework for heavily constrained examination timetabling problems. *Annals of Operations Research*, **2010**, 180, 3-31	3.2	8
15	Optimising bus routes with fixed terminal nodes **2019**,		7
14	Optimising large scale public transport network design problems using mixed-mode parallel multi-objective evolutionary algorithms **2014**,		7
13	An evolutionary bi-objective approach to the capacitated facility location problem with cost and CO2emissions **2011**,		6
12	Single vehicle pickup and delivery with time windows **2007**,		6
11	Comparing representations and recombination operators for the multi-objective 0/1 knapsack problem		6
10	Footfall signatures and volumes: Towards a classification of UK centres. *Environment and Planning B: Urban Analytics and City Science*, **2020**, 239980832091141	2	4
9	Synergy in Computational Intelligence. *Intelligent Systems Reference Library*, **2009**, 3-21	0.8	3
8	Solving the One-Commodity Pickup and Delivery Problem Using an Adaptive Hybrid VNS/SA Approach **2010**, 189-198		3
7	Exact and hyper-heuristic solutions for the distribution-installation problem from the VeRoLog 2019 challenge. *Networks*, **2020**, 76, 294-319	1.6	3
6	A weight-coded genetic algorithm for the capacitated arc routing problem **2009**,		2

5	**2007**,		2
4	A symmetric convexity measure **2004**,		2
3	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
2	An adaptive hybrid VNS/SA approach to the one-commodity pickup and delivery problem **2010**,		1
1	An Order Based Memetic Evolutionary Algorithm for Set Partitioning Problems. *Studies in Computational Intelligence*, **2008**, 881-925	0.8	1