Marcus Randall

List of Publications by Year
in descending order

48 papers	691 citations	949033 11 h-index	721071 23 g-index
51 all docs	51 docs citations	51 times ranked	531 citing authors

#	Article	IF	Citations
1	A Bayesian belief data mining approach applied to rice and shrimp aquaculture. PLoS ONE, 2022, 17, e0262402.	1.1	1
2	Data mining of hospital suicidal and self-harm presentation records using a tailored evolutionary algorithm. Machine Learning With Applications, 2021, 3, 100012.	3.0	1
3	A Discrete-Event, Simulated Social Agent-Based Network Transmission (DESSABNeT) model for communicable diseases: Method and validation using SARS-CoV-2 data in three large Australian cities. PLoS ONE, 2021, 16, e0251737.	1.1	6
4	An Introduction to Temporal Optimisation using a Water Management Problem. Journal of Computational Science, 2020, 42, 101108.	1.5	7
5	Developing a Decision Support App forÂComputational Agriculture. Lecture Notes in Computer Science, 2020, , 551-561.	1.0	1
6	Integrating continuous differential evolution with discrete local search for meander line RFID antenna design. PLoS ONE, 2019, 14, e0223194.	1.1	1
7	A model for a reliable single allocation hub network design under massive disruption. Applied Soft Computing Journal, 2019, 82, 105561.	4.1	12
8	Long Term Implications of Climate Change on Crop Planning. Lecture Notes in Computer Science, 2019, , 369-382.	1.0	5
9	A Computational Comparison of Evolutionary Algorithms for Water Resource Planning for Agricultural and Environmental Purposes. , 2018, , .		5
10	Performance Comparison of Evolutionary Algorithms for Airfoil Design. Procedia Computer Science, 2015, 51, 2267-2276.	1.2	10
11	Extending the Front: Designing RFID Antennas Using Multiobjective Differential Evolution with Biased Population Selection. Procedia Computer Science, 2014, 29, 1893-1903.	1.2	7
12	Local Search Enabled Extremal Optimisation for Continuous Inseparable Multi-objective Benchmark and Real-world Problems. Procedia Computer Science, 2014, 29, 1904-1914.	1.2	2
13	Modeling fuzzy capacitated p-hub center problem and a genetic algorithm solution. Applied Mathematical Modelling, 2013, 37, 3513-3525.	2.2	61
14	Interactive multi-objective particle swarm optimisation using decision space interaction. , 2013, , .		13
15	Investigating the Effect of Fixing the Subset Length Using Ant Colony Optimization Algorithms for Feature Subset Selection Problems. , 2012, , .		4
16	Differential evolution for RFID antenna design. , 2011, , .		13
17	Modifications and Additions to Ant Colony Optimisation to Solve the Set Partitioning Problem. , 2010, , .		1
18	A hybrid multi-objective extremal optimisation approach for multi-objective combinatorial optimisation problems. , 2010, , .		12

#	Article	IF	Citations
19	Pheromone Pre-seeding for the Construction of RFID Antenna Structures Using ACO. , 2010, , .		3
20	Feature Selection for Classification Using an Ant Colony System. , 2010, , .		17
21	Intensification Strategies for Extremal Optimisation. Lecture Notes in Computer Science, 2010, , 115-124.	1.0	4
22	Multiobjective optimization for small meander wire dipole antennas in a fixed area using ant colony system. International Journal of RF and Microwave Computer-Aided Engineering, 2009, 19, 592-597.	0.8	21
23	Dynamic Problems and Nature Inspired Meta-heuristics. Studies in Computational Intelligence, 2009, , 79-109.	0.7	1
24	Optimising efficiency and gain of small meander line RFID antennas using ant colony system. , 2009, , .		18
25	Extremal Optimisation for Assignment Type Problems. Studies in Computational Intelligence, 2009, , 139-164.	0.7	10
26	Using Ant Colony Optimisation to Construct Meander-Line RFID Antennas. Studies in Computational Intelligence, 2009, , 189-217.	0.7	15
27	A Hybrid Extremal Optimisation Approach for the Bin Packing Problem. Lecture Notes in Computer Science, 2009, , 242-251.	1.0	4
28	Solution approaches for the capacitated single allocation hub location problem using ant colony optimisation. Computational Optimization and Applications, 2008, 39, 239-261.	0.9	41
29	Solution bias in ant colony optimisation: Lessons for selecting pheromone models. Computers and Operations Research, 2008, 35, 2728-2749.	2.4	17
30	Local search for Ant colony system to improve the efficiency of small meander line RFID antennas. , 2008, , .		13
31	Extremal Optimisation with a Penalty Approach for the Multidimensional Knapsack Problem. Lecture Notes in Computer Science, 2008, , 229-238.	1.0	4
32	Extremal Optimisation and Bin Packing. Lecture Notes in Computer Science, 2008, , 220-228.	1.0	3
33	Using Ant Colony Optimisation to Improve the Efficiency of Small Meander Line RFID Antennas. , 2007, , .		14
34	Enhancements to Extremal Optimisation for Generalised Assignment. , 2007, , 369-380.		12
35	Dynamic Problems and Nature Inspired Meta-Heuristics. , 2006, , .		5
36	An Extended Extremal Optimisation Model for Parallel Architectures. , 2006, , .		7

#	ARTICLE	IF	CITATIONS
37	Search Space Reduction as a Tool for Achieving Intensification and Diversification in Ant Colony Optimisation. Lecture Notes in Computer Science, 2006, , 254-261.	1.0	1
38	Structural Advantages for Ant Colony Optimisation Inherent in Permutation Scheduling Problems. Lecture Notes in Computer Science, 2005, , 218-228.	1.0	8
39	Automated Selection of Appropriate Pheromone Representations in Ant Colony Optimization. Artificial Life, 2005, 11, 269-291.	1.0	15
40	Search Bias in Constructive Metaheuristics and Implications for Ant Colony Optimisation. Lecture Notes in Computer Science, 2004, , 390-397.	1.0	10
41	A Template Approach to Producing Incremental Objective Cost Functions for Local Search Meta-heuristics. Lecture Notes in Computer Science, 2003, , 291-299.	1.0	0
42	A Parallel Implementation of Ant Colony Optimization. Journal of Parallel and Distributed Computing, 2002, 62, 1421-1432.	2.7	168
43	A Simulated Annealing Approach to Communication Network Design. Journal of Combinatorial Optimization, 2002, 6, 55-65.	0.8	30
44	Candidate Set Strategies for Ant Colony Optimisation. Lecture Notes in Computer Science, 2002, , 243-249.	1.0	16
45	A General Framework for Constructive Meta-Heuristics. Profiles in Operations Research, 2002, , 111-128.	0.3	3
46	Feasibility Restoration for Iterative Meta-heuristics Search Algorithms. Lecture Notes in Computer Science, 2002, , 168-178.	1.0	2
47	A General Meta-Heuristic Based Solver for Combinatorial Optimisation Problems. Computational Optimization and Applications, 2001, 20, 185-210.	0.9	26
48	Evolutionary Population Dynamics and Multi-Objective Optimisation Problems. , 0, , 185-206.		15