Andrew Lewis

List of Publications by Year
in descending order

24 papers	15,526 citations	471509 17 h-index	752698 20 g-index
24 all docs	24 docs citations	24 times ranked	8874 citing authors

#	Article	IF	Citations
1	Ant Colony Optimizer: Theory, Literature Review, and Application inÂAUV Path Planning. Studies in Computational Intelligence, 2020, , 7-21.	0.9	31
2	Particle Swarm Optimization: Theory, Literature Review, and Application in Airfoil Design. Studies in Computational Intelligence, 2020, , 167-184.	0.9	33
3	Confidence-based robust optimisation using multi-objective meta-heuristics. Swarm and Evolutionary Computation, 2018, 43, 109-126.	8.1	17
4	Grasshopper Optimisation Algorithm: Theory and application. Advances in Engineering Software, 2017, 105, 30-47.	3.8	1,938
5	Obstacles and difficulties for robust benchmark problems: A novel penalty-based robust optimisation method. Information Sciences, 2016, 328, 485-509.	6.9	25
6	Novel frameworks for creating robust multi-objective benchmark problems. Information Sciences, 2015, 300, 158-192.	6.9	25
7	Novel performance metrics for robust multi-objective optimization algorithms. Swarm and Evolutionary Computation, 2015, 21, 1-23.	8.1	66
8	How important is a transfer function in discrete heuristic algorithms. Neural Computing and Applications, 2015, 26, 625-640.	5.6	60
9	Let a biogeography-based optimizer train your Multi-Layer Perceptron. Information Sciences, 2014, 269, 188-209.	6.9	263
10	Grey Wolf Optimizer. Advances in Engineering Software, 2014, 69, 46-61.	3.8	11,382
11	A tri-objective Particle Swarm Optimizer for designing line defect Photonic Crystal Waveguides. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 152-163.	2.0	21
12	Adaptive gbest-guided gravitational search algorithm. Neural Computing and Applications, 2014, 25, 1569-1584.	5.6	174
13	Biogeography-based optimisation with chaos. Neural Computing and Applications, 2014, 25, 1077-1097.	5.6	273
14	Autonomous Particles Groups for Particle Swarm Optimization. Arabian Journal for Science and Engineering, 2014, 39, 4683-4697.	1.1	122
15	A Web-based System for Visualisation-driven Interactive Multi-objective Optimisation. Procedia Computer Science, 2014, 29, 1915-1925.	2.0	10
16	S-shaped versus V-shaped transfer functions for binary Particle Swarm Optimization. Swarm and Evolutionary Computation, 2013, 9, 1-14.	8.1	814
17	Interactive multi-objective particle swarm optimisation using decision space interaction. , 2013, , .		13
18	Interactive multi-objective particle swarm optimization with heatmap-visualization-based user interface. Engineering Optimization, 2010, 42, 119-139.	2.6	23

#	Article	IF	Citations
19	Pheromone Pre-seeding for the Construction of RFID Antenna Structures Using ACO. , 2010, , .		3
20	Asynchronous Multi-Objective Optimisation in Unreliable Distributed Environments. Studies in Computational Intelligence, 2009, , 51-78.	0.9	22
21	Using Ant Colony Optimisation to Construct Meander-Line RFID Antennas. Studies in Computational Intelligence, 2009, , 189-217.	0.9	15
22	Asynchronous multiple objective particle swarm optimisation in unreliable distributed environments. , 2008, , .		14
23	Using Ant Colony Optimisation to Improve the Efficiency of Small Meander Line RFID Antennas. , 2007, , .		14
24	A Parallel Implementation of Ant Colony Optimization. Journal of Parallel and Distributed Computing, 2002, 62, 1421-1432.	4.1	168