

Andrew Lewis

List of Publications by Year in descending order

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24
papers

15,526
citations

471061

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752256

20
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24
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24
docs citations

24
times ranked

8874
citing authors

#	ARTICLE	IF	CITATIONS
1	Ant Colony Optimizer: Theory, Literature Review, and Application in UAV Path Planning. Studies in Computational Intelligence, 2020, , 7-21.	0.7	31
2	Particle Swarm Optimization: Theory, Literature Review, and Application in Airfoil Design. Studies in Computational Intelligence, 2020, , 167-184.	0.7	33
3	Confidence-based robust optimisation using multi-objective meta-heuristics. Swarm and Evolutionary Computation, 2018, 43, 109-126.	4.5	17
4	Grasshopper Optimisation Algorithm: Theory and application. Advances in Engineering Software, 2017, 105, 30-47.	1.8	1,938
5	Obstacles and difficulties for robust benchmark problems: A novel penalty-based robust optimisation method. Information Sciences, 2016, 328, 485-509.	4.0	25
6	Novel frameworks for creating robust multi-objective benchmark problems. Information Sciences, 2015, 300, 158-192.	4.0	25
7	Novel performance metrics for robust multi-objective optimization algorithms. Swarm and Evolutionary Computation, 2015, 21, 1-23.	4.5	66
8	How important is a transfer function in discrete heuristic algorithms. Neural Computing and Applications, 2015, 26, 625-640.	3.2	60
9	Let a biogeography-based optimizer train your Multi-Layer Perceptron. Information Sciences, 2014, 269, 188-209.	4.0	263
10	Grey Wolf Optimizer. Advances in Engineering Software, 2014, 69, 46-61.	1.8	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.	1.0	21
12	Adaptive gbest-guided gravitational search algorithm. Neural Computing and Applications, 2014, 25, 1569-1584.	3.2	174
13	Biogeography-based optimisation with chaos. Neural Computing and Applications, 2014, 25, 1077-1097.	3.2	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.	1.2	10
16	S-shaped versus V-shaped transfer functions for binary Particle Swarm Optimization. Swarm and Evolutionary Computation, 2013, 9, 1-14.	4.5	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.	1.5	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.	0.7	22
21	Using Ant Colony Optimisation to Construct Meander-Line RFID Antennas. Studies in Computational Intelligence, 2009, , 189-217.	0.7	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.	2.7	168