

ConsolaciÃ³n Gil

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,862
citations

304368

22
h-index

168136

53
g-index

62
all docs

62
docs citations

62
times ranked

3560
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization methods applied to renewable and sustainable energy: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1753-1766.	8.2	1,276
2	Scientific production of renewable energies worldwide: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 18, 134-143.	8.2	278
3	A hybrid meta-heuristic for multi-objective vehicle routing problems with time windows. <i>Computers and Industrial Engineering</i> , 2013, 65, 286-296.	3.4	118
4	A Simulated Annealing-based parallel multi-objective approach to vehicle routing problems with time windows. <i>Expert Systems With Applications</i> , 2013, 40, 1696-1707.	4.4	101
5	Application of Several Meta-Heuristic Techniques to the Optimization of Real Looped Water Distribution Networks. <i>Water Resources Management</i> , 2008, 22, 1367-1379.	1.9	100
6	Adaptive community detection in complex networks using genetic algorithms. <i>Neurocomputing</i> , 2017, 266, 101-113.	3.5	95
7	Wind turbine selection for wind farm layout using multi-objective evolutionary algorithms. <i>Expert Systems With Applications</i> , 2014, 41, 6585-6595.	4.4	77
8	A memetic algorithm applied to the design of water distribution networks. <i>Applied Soft Computing Journal</i> , 2010, 10, 261-266.	4.1	70
9	Resilience Indexes for Water Distribution Network Design: A Performance Analysis Under Demand Uncertainty. <i>Water Resources Management</i> , 2011, 25, 2351-2366.	1.9	67
10	Optimal Design of Gravity-Fed Looped Water Distribution Networks Considering the Resilience Index. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2008, 134, 234-238.	1.3	44
11	Minimization of voltage deviation and power losses in power networks using Pareto optimization methods. <i>Engineering Applications of Artificial Intelligence</i> , 2010, 23, 695-703.	4.3	42
12	A Pareto-based multi-objective evolutionary algorithm for automatic rule generation in network intrusion detection systems. <i>Soft Computing</i> , 2013, 17, 255-263.	2.1	42
13	Multi-objective crop planning using pareto-based evolutionary algorithms. <i>Agricultural Economics (United Kingdom)</i> , 2011, 42, 649-656.	2.0	34
14	Implementation of scatter search for multi-objective optimization: a comparative study. <i>Computational Optimization and Applications</i> , 2009, 42, 421-441.	0.9	28
15	A parallel multi-objective algorithm for two-dimensional bin packing with rotations and load balancing. <i>Expert Systems With Applications</i> , 2013, 40, 5169-5180.	4.4	28
16	Genetic algorithm for S-transform optimisation in the analysis and classification of electrical signal perturbations. <i>Expert Systems With Applications</i> , 2013, 40, 6766-6777.	4.4	28
17	Community detection in national-scale high voltage transmission networks using genetic algorithms. <i>Advanced Engineering Informatics</i> , 2018, 38, 232-241.	4.0	28
18	A Hybrid Meta-Heuristic for Multi-Objective Optimization: MOSATS. <i>Mathematical Modelling and Algorithms</i> , 2007, 6, 213-230.	0.5	27

#	ARTICLE	IF	CITATIONS
19	A hybrid method for solving multi-objective global optimization problems. Journal of Global Optimization, 2007, 38, 265-281.	1.1	27
20	Evolutionary algorithms for the design of grid-connected PV-systems. Expert Systems With Applications, 2012, 39, 8086-8094.	4.4	27
21	A Parallel Multilevel Metaheuristic for Graph Partitioning. Journal of Heuristics, 2004, 10, 315-336.	1.1	25
22	A Mixed Heuristic for Circuit Partitioning. Computational Optimization and Applications, 2002, 23, 321-340.	0.9	23
23	The load unbalancing problem for region growing image segmentation algorithms. Journal of Parallel and Distributed Computing, 2003, 63, 387-395.	2.7	23
24	Multilevel Heuristic Algorithm for Graph Partitioning. Lecture Notes in Computer Science, 2003, , 143-153.	1.0	22
25	Design of a Snort-Based Hybrid Intrusion Detection System. Lecture Notes in Computer Science, 2009, , 515-522.	1.0	20
26	Pareto-based evolutionary algorithms for the calculation of transformation parameters and accuracy assessment of historical maps. Computers and Geosciences, 2013, 57, 124-132.	2.0	20
27	Analysis of OpenMP and MPI implementations of meta-heuristics for vehicle routing problems. Applied Soft Computing Journal, 2016, 43, 262-275.	4.1	18
28	A Memetic Algorithm for Water Distribution Network Design. , 2007, , 279-289.		15
29	Annealing-based heuristics and genetic algorithms for circuit partitioning in parallel test generation. Future Generation Computer Systems, 1998, 14, 439-451.	4.9	12
30	Ant Colony Optimization for Water Distribution Network Design: A Comparative Study. Lecture Notes in Computer Science, 2011, , 300-307.	1.0	12
31	Parallelization of population-based multi-objective meta-heuristics: An empirical study. Applied Mathematical Modelling, 2006, 30, 578-592.	2.2	10
32	Parallel test generation using circuit partitioning and spectral techniques. , 0, , .		9
33	Parallel VLSI test in a shared-memory multiprocessor. Concurrency and Computation: Practice and Experience, 2000, 12, 311-326.	0.6	9
34	Multi-objective evolutionary algorithms for the design of grid-connected solar tracking systems. International Journal of Electrical Power and Energy Systems, 2014, 61, 371-379.	3.3	9
35	Algebraic test-pattern generation based on the Reed-Muller spectrum. IEE Proceedings: Computers and Digital Techniques, 1998, 145, 308.	1.6	7
36	A Pareto-based memetic algorithm for optimization of looped water distribution systems. Engineering Optimization, 2010, 42, 223-240.	1.5	7

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37	Comparative analysis of power variables in high performance embedded and x86 architectures using GNU/Linux. Computers and Electrical Engineering, 2011, 37, 541-549.	3.0	7
38	The assessment of evolutionary algorithms for analyzing the positional accuracy and uncertainty of maps. Expert Systems With Applications, 2014, 41, 6346-6360.	4.4	7
39	Evolutionary Algorithms for Community Detection in Continental-Scale High-Voltage Transmission Grids. Symmetry, 2019, 11, 1472.	1.1	7
40	Parallelism on multicore processors using Parallel.FX. Advances in Engineering Software, 2011, 42, 259-265.	1.8	6
41	Annealing-tabu PAES: a multi-objective hybrid meta-heuristic. Optimization, 2011, 60, 1473-1491.	1.0	6
42	Multi-Objective Evolutionary Algorithms to Find Community Structures in Large Networks. Mathematics, 2020, 8, 2048.	1.1	6
43	Cooperative learning and electronic group portfolio: tutoring tools, development of competences and assessment. International Journal of Learning Technology, 2011, 6, 46.	0.2	5
44	Engaging students in computer-supported cooperative learning. International Journal of Learning Technology, 2013, 8, 297.	0.2	5
45	Parallel heuristic search in multilevel graph partitioning. , 2004, , .		4
46	A Multi-Objective Evolutionary Algorithm for Network Intrusion Detection Systems. Lecture Notes in Computer Science, 2011, , 73-80.	1.0	4
47	A New Memetic Algorithm for the Two-Dimensional Bin-Packing Problem with Rotations. Advances in Intelligent and Soft Computing, 2010, , 541-548.	0.2	4
48	Load balancing for a class of irregular and dynamic problems: region growing image segmentation algorithms. , 1999, , .		3
49	A parallel evolutionary algorithm for circuit partitioning. , 2003, , .		3
50	IMPROVING THE PERFORMANCE OF MULTI-OBJECTIVE EVOLUTIONARY ALGORITHMS USING THE ISLAND PARALLEL MODEL. Parallel Processing Letters, 2007, 17, 127-139.	0.4	3
51	Optimizaco de Tenso em Redes de Distribuico utilizando Tcnicas de Optimizaco Evolutiva. Informaco Tecnolgica (discontinued), 2006, 17, .	0.1	3
52	Parallel thinning algorithms on multicomputers: experimental study on load balancing. Concurrency and Computation: Practice and Experience, 2000, 12, 327-340.	0.6	2
53	Meta-heuristics for circuit partitioning in parallel test generation. Lecture Notes in Computer Science, 1998, , 315-323.	1.0	2
54	Load balancing in parallel circuit testing with annealing-based and genetic algorithms. Lecture Notes in Computer Science, 1998, , 835-844.	1.0	1

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55	Parallel test pattern generation using circuit partitioning in a shared-memory multiprocessor. Lecture Notes in Computer Science, 1998, , 167-171.	1.0	1
56	Cryptanalysis of Hash Functions Using Advanced Multiprocessing. Advances in Intelligent and Soft Computing, 2010, , 221-228.	0.2	1
57	Performance Analysis of Parallel Strategies for Bi-objective Network Partitioning. Advances in Intelligent and Soft Computing, 2006, , 291-300.	0.2	1
58	Multi-Objective Evolutionary Algorithms Used in Greenhouse Planning for Recycling Biomass into Energy. Advances in Intelligent and Soft Computing, 2010, , 463-470.	0.2	1
59	Open source tool for energy saving and efficient system management. , 2011, , .		0
60	Optimising Graph Partitions Using Parallel Evolution. Lecture Notes in Computer Science, 2004, , 91-102.	1.0	0
61	Adapting Multi-Objective Meta-Heuristics for Graph Partitioning. , 2006, , 123-132.		0