

Juan J J Durillo

List of Publications by Year in descending order

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49
papers

3,579
citations

361045

20
h-index

360668

35
g-index

52
all docs

52
docs citations

52
times ranked

2810
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting Workflow Task Execution Time in the Cloud Using A Two-Stage Machine Learning Approach. IEEE Transactions on Cloud Computing, 2020, 8, 256-268.	3.1	66
2	A dynamic evolutionary multi-objective virtual machine placement heuristic for cloud data centers. Information and Software Technology, 2020, 128, 106390.	3.0	18
3	Dynamic Multi-objective Virtual Machine Placement in Cloud Data Centers. , 2019, , .		5
4	A novel multi-objective evolutionary algorithm with fuzzy logic based adaptive selection of operators: FAME. Information Sciences, 2019, 471, 233-251.	4.0	67
5	jMetalSP: A framework for dynamic multi-objective big data optimization. Applied Soft Computing Journal, 2018, 69, 737-748.	4.1	27
6	About Designing an Observer Pattern-Based Architecture for a Multi-objective Metaheuristic Optimization Framework. Studies in Computational Intelligence, 2018, , 50-60.	0.7	2
7	Extending the Speed-Constrained Multi-objective PSO (SMPSO) with Reference Point Based Preference Articulation. Lecture Notes in Computer Science, 2018, , 298-310.	1.0	5
8	Multiple Sequence Alignment with Multiobjective Metaheuristics. A Comparative Study. International Journal of Intelligent Systems, 2017, 32, 843-861.	3.3	8
9	A Region-Aware Multi-Objective Auto-Tuner for Parallel Programs. , 2017, , .		3
10	A Study of Archiving Strategies in Multi-objective PSO for Molecular Docking. Lecture Notes in Computer Science, 2016, , 40-52.	1.0	2
11	Pareto tradeoff scheduling of workflows on federated commercial Clouds. Simulation Modelling Practice and Theory, 2015, 58, 95-111.	2.2	32
12	Redesigning the jMetal Multi-Objective Optimization Framework. , 2015, , .		119
13	Workflow Scheduling on Federated Clouds. Lecture Notes in Computer Science, 2014, , 318-329.	1.0	4
14	Integrating a multi-objective optimization framework into a structural design software. Advances in Engineering Software, 2014, 76, 161-170.	1.8	7
15	Multi-objective workflow scheduling in Amazon EC2. Cluster Computing, 2014, 17, 169-189.	3.5	139
16	Multi-objective energy-efficient workflow scheduling using list-based heuristics. Future Generation Computer Systems, 2014, 36, 221-236.	4.9	92
17	Multi-Objective Auto-Tuning with Insieme: Optimization and Trade-Off Analysis for Time, Energy and Resource Usage. Lecture Notes in Computer Science, 2014, , 87-98.	1.0	19
18	Workflow Scheduling in Amazon EC2. Lecture Notes in Computer Science, 2014, , 374-383.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Analysis of leader selection strategies in a multi-objective Particle Swarm Optimizer. , 2013, , .		24
20	Multi-objective Workflow Scheduling: An Analysis of the Energy Efficiency and Makespan Tradeoff. , 2013, , .		23
21	Solving a Real-World Structural Optimization Problem with a Distributed SMS-EMOA Algorithm. , 2013, , .		0
22	A Study of the Combination of Variation Operators in the NSGA-II Algorithm. Lecture Notes in Computer Science, 2013, , 269-278.	1.0	10
23	A multi-objective auto-tuning framework for parallel codes. , 2012, , .		39
24	Designing a Self-Organized Approach for Scheduling Bag-of-Tasks. , 2012, , .		5
25	MOHEFT: A multi-objective list-based method for workflow scheduling. , 2012, , .		71
26	jMetal: A Java framework for multi-objective optimization. Advances in Engineering Software, 2011, 42, 760-771.	1.8	906
27	A study of the bi-objective next release problem. Empirical Software Engineering, 2011, 16, 29-60.	3.0	61
28	Distribution of Computational Effort in Parallel MOEA/D. Lecture Notes in Computer Science, 2011, , 488-502.	1.0	19
29	A Study of Multiobjective Metaheuristics When Solving Parameter Scalable Problems. IEEE Transactions on Evolutionary Computation, 2010, 14, 618-635.	7.5	107
30	Convergence speed in multi-objective metaheuristics: Efficiency criteria and empirical study. International Journal for Numerical Methods in Engineering, 2010, 84, 1344-1375.	1.5	32
31	The jMetal framework for multi-objective optimization: Design and architecture. , 2010, , .		202
32	Today/future importance analysis. , 2010, , .		17
33	Evolutionary algorithms for solving the automatic cell planning problem: a survey. Engineering Optimization, 2010, 42, 671-690.	1.5	23
34	A Scatter Search Approach for Solving the Automatic Cell Planning Problem. Lecture Notes in Computer Science, 2010, , 334-342.	1.0	2
35	A Study of the Parallelization of the Multi-Objective Metaheuristic MOEA/D. Lecture Notes in Computer Science, 2010, , 303-317.	1.0	32
36	A Study of the Multi-objective Next Release Problem. , 2009, , .		47

#	ARTICLE	IF	CITATIONS
37	MOCeII: A cellular genetic algorithm for multiobjective optimization. International Journal of Intelligent Systems, 2009, 24, 726-746.	3.3	231
38	SMPSO: A new PSO-based metaheuristic for multi-objective optimization. , 2009, , .		393
39	Multi-Objective Particle Swarm Optimizers: An Experimental Comparison. Lecture Notes in Computer Science, 2009, , 495-509.	1.0	101
40	On the Effect of Applying a Steady-State Selection Scheme in the Multi-Objective Genetic Algorithm NSGA-II. Studies in Computational Intelligence, 2009, , 435-456.	0.7	12
41	On the Effect of the Steady-State Selection Scheme in Multi-Objective Genetic Algorithms. Lecture Notes in Computer Science, 2009, , 183-197.	1.0	42
42	AbYSS: Adapting Scatter Search to Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2008, 12, 439-457.	7.5	297
43	A study of master-slave approaches to parallelize NSGA-II. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	60
44	A comparative study of the effect of parameter scalability in multi-objective metaheuristics. , 2008, , .		23
45	Solving large-scale real-world telecommunication problems using a grid-based genetic algorithm. Engineering Optimization, 2008, 40, 1067-1084.	1.5	25
46	Solving Three-Objective Optimization Problems Using a New Hybrid Cellular Genetic Algorithm. Lecture Notes in Computer Science, 2008, , 661-670.	1.0	38
47	A Study of Convergence Speed in Multi-objective Metaheuristics. Lecture Notes in Computer Science, 2008, , 763-772.	1.0	21
48	Design Issues in a Multiobjective Cellular Genetic Algorithm. , 2007, , 126-140.		48
49	Optimal antenna placement using a new multi-objective chc algorithm. , 2007, , .		43