

Juan J J Durillo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

2,692
citations

23
h-index

51
g-index

52
ext. papers

3,187
ext. citations

3.1
avg, IF

5.43
L-index

#	Paper	IF	Citations
50	A dynamic evolutionary multi-objective virtual machine placement heuristic for cloud data centers. <i>Information and Software Technology</i> , 2020 , 128, 106390	3.4	9
49	Predicting Workflow Task Execution Time in the Cloud Using A Two-Stage Machine Learning Approach. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 8, 256-268	3.3	33
48	Dynamic Multi-objective Virtual Machine Placement in Cloud Data Centers 2019 ,		3
47	A novel multi-objective evolutionary algorithm with fuzzy logic based adaptive selection of operators: FAME. <i>Information Sciences</i> , 2019 , 471, 233-251	7.7	49
46	jMetalSP: A framework for dynamic multi-objective big data optimization. <i>Applied Soft Computing Journal</i> , 2018 , 69, 737-748	7.5	23
45	About Designing an Observer Pattern-Based Architecture for a Multi-objective Metaheuristic Optimization Framework. <i>Studies in Computational Intelligence</i> , 2018 , 50-60	0.8	2
44	Extending the Speed-Constrained Multi-objective PSO (SMPSO) with Reference Point Based Preference Articulation. <i>Lecture Notes in Computer Science</i> , 2018 , 298-310	0.9	3
43	Multiple Sequence Alignment with Multiobjective Metaheuristics. A Comparative Study. <i>International Journal of Intelligent Systems</i> , 2017 , 32, 843-861	8.4	5
42	A Study of Archiving Strategies in Multi-objective PSO for Molecular Docking. <i>Lecture Notes in Computer Science</i> , 2016 , 40-52	0.9	1
41	Dynamic Multi-Objective Optimization with jMetal and Spark: A Case Study. <i>Lecture Notes in Computer Science</i> , 2016 , 106-117	0.9	4
40	Redesigning the jMetal Multi-Objective Optimization Framework 2015 ,		82
39	Pareto tradeoff scheduling of workflows on federated commercial Clouds. <i>Simulation Modelling Practice and Theory</i> , 2015 , 58, 95-111	3.9	26
38	Multi-objective energy-efficient workflow scheduling using list-based heuristics. <i>Future Generation Computer Systems</i> , 2014 , 36, 221-236	7.5	63
37	Workflow Scheduling on Federated Clouds. <i>Lecture Notes in Computer Science</i> , 2014 , 318-329	0.9	2
36	Integrating a multi-objective optimization framework into a structural design software. <i>Advances in Engineering Software</i> , 2014 , 76, 161-170	3.6	6
35	Multi-objective workflow scheduling in Amazon EC2. <i>Cluster Computing</i> , 2014 , 17, 169-189	2.1	87
34	Multi-Objective Auto-Tuning with Insieme: Optimization and Trade-Off Analysis for Time, Energy and Resource Usage. <i>Lecture Notes in Computer Science</i> , 2014 , 87-98	0.9	14

33	Workflow Scheduling in Amazon EC2. <i>Lecture Notes in Computer Science</i> , 2014 , 374-383	0.9	1
32	Analysis of leader selection strategies in a multi-objective Particle Swarm Optimizer 2013 ,		18
31	Multi-objective Workflow Scheduling: An Analysis of the Energy Efficiency and Makespan Tradeoff 2013 ,		21
30	A Study of the Combination of Variation Operators in the NSGA-II Algorithm. <i>Lecture Notes in Computer Science</i> , 2013 , 269-278	0.9	7
29	MOHEFT: A multi-objective list-based method for workflow scheduling 2012 ,		43
28	A multi-objective auto-tuning framework for parallel codes 2012 ,		31
27	Designing a Self-Organized Approach for Scheduling Bag-of-Tasks 2012 ,		3
26	jMetal: A Java framework for multi-objective optimization. <i>Advances in Engineering Software</i> , 2011 , 42, 760-771	3.6	748
25	A study of the bi-objective next release problem. <i>Empirical Software Engineering</i> , 2011 , 16, 29-60	3.3	49
24	Distribution of Computational Effort in Parallel MOEA/D. <i>Lecture Notes in Computer Science</i> , 2011 , 488-502		12
23	On the Velocity Update in Multi-Objective Particle Swarm Optimizers. <i>Studies in Computational Intelligence</i> , 2010 , 45-62	0.8	2
22	The jMetal framework for multi-objective optimization: Design and architecture 2010 ,		160
21	Today/future importance analysis 2010 ,		15
20	Evolutionary algorithms for solving the automatic cell planning problem: a survey. <i>Engineering Optimization</i> , 2010 , 42, 671-690	2	16
19	. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 618-635	15.6	83
18	Convergence speed in multi-objective metaheuristics: Efficiency criteria and empirical study. <i>International Journal for Numerical Methods in Engineering</i> , 2010 , 84, 1344-1375	2.4	24
17	A Scatter Search Approach for Solving the Automatic Cell Planning Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 334-342	0.9	1
16	A Study of the Parallelization of the Multi-Objective Metaheuristic MOEA/D. <i>Lecture Notes in Computer Science</i> , 2010 , 303-317	0.9	23

15	A Study of the Multi-objective Next Release Problem 2009 ,		35
14	MOCeII: A cellular genetic algorithm for multiobjective optimization. <i>International Journal of Intelligent Systems</i> , 2009 , 24, 726-746	8.4	176
13	SMPSO: A new PSO-based metaheuristic for multi-objective optimization 2009 ,		276
12	Multi-Objective Particle Swarm Optimizers: An Experimental Comparison. <i>Lecture Notes in Computer Science</i> , 2009 , 495-509	0.9	73
11	Evaluating New Advanced Multiobjective Metaheuristics 2009 , 63-82		
10	On the Effect of Applying a Steady-State Selection Scheme in the Multi-Objective Genetic Algorithm NSGA-II. <i>Studies in Computational Intelligence</i> , 2009 , 435-456	0.8	7
9	On the Effect of the Steady-State Selection Scheme in Multi-Objective Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2009 , 183-197	0.9	35
8	AbYSS: Adapting Scatter Search to Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 439-457	15.6	230
7	. <i>Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on</i> , 2008 ,		40
6	A comparative study of the effect of parameter scalability in multi-objective metaheuristics 2008 ,		15
5	Solving large-scale real-world telecommunication problems using a grid-based genetic algorithm. <i>Engineering Optimization</i> , 2008 , 40, 1067-1084	2	19
4	Solving Three-Objective Optimization Problems Using a New Hybrid Cellular Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2008 , 661-670	0.9	29
3	A Study of Convergence Speed in Multi-objective Metaheuristics. <i>Lecture Notes in Computer Science</i> , 2008 , 763-772	0.9	18
2	Design Issues in a Multiobjective Cellular Genetic Algorithm 2007 , 126-140		41
1	Optimal antenna placement using a new multi-objective chc algorithm 2007 ,		28