

# Juan J J Durillo

## List of Publications by Citations

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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	jMetal: A Java framework for multi-objective optimization. <i>Advances in Engineering Software</i> , <b>2011</b> , 42, 760-771	3.6	748
49	SMPSO: A new PSO-based metaheuristic for multi-objective optimization <b>2009</b> ,		276
48	AbYSS: Adapting Scatter Search to Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2008</b> , 12, 439-457	15.6	230
47	MOCeLL: A cellular genetic algorithm for multiobjective optimization. <i>International Journal of Intelligent Systems</i> , <b>2009</b> , 24, 726-746	8.4	176
46	The jMetal framework for multi-objective optimization: Design and architecture <b>2010</b> ,		160
45	Multi-objective workflow scheduling in Amazon EC2. <i>Cluster Computing</i> , <b>2014</b> , 17, 169-189	2.1	87
44	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2010</b> , 14, 618-635	15.6	83
43	Redesigning the jMetal Multi-Objective Optimization Framework <b>2015</b> ,		82
42	Multi-Objective Particle Swarm Optimizers: An Experimental Comparison. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 495-509	0.9	73
41	Multi-objective energy-efficient workflow scheduling using list-based heuristics. <i>Future Generation Computer Systems</i> , <b>2014</b> , 36, 221-236	7.5	63
40	A study of the bi-objective next release problem. <i>Empirical Software Engineering</i> , <b>2011</b> , 16, 29-60	3.3	49
39	A novel multi-objective evolutionary algorithm with fuzzy logic based adaptive selection of operators: FAME. <i>Information Sciences</i> , <b>2019</b> , 471, 233-251	7.7	49
38	MOHEFT: A multi-objective list-based method for workflow scheduling <b>2012</b> ,		43
37	Design Issues in a Multiobjective Cellular Genetic Algorithm <b>2007</b> , 126-140		41
36	. <i>Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on</i> , <b>2008</b> ,		40
35	A Study of the Multi-objective Next Release Problem <b>2009</b> ,		35
34	On the Effect of the Steady-State Selection Scheme in Multi-Objective Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 183-197	0.9	35

33	Predicting Workflow Task Execution Time in the Cloud Using A Two-Stage Machine Learning Approach. <i>IEEE Transactions on Cloud Computing</i> , <b>2020</b> , 8, 256-268	3.3	33
32	A multi-objective auto-tuning framework for parallel codes <b>2012</b> ,		31
31	Solving Three-Objective Optimization Problems Using a New Hybrid Cellular Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 661-670	0.9	29
30	Optimal antenna placement using a new multi-objective chc algorithm <b>2007</b> ,		28
29	Pareto tradeoff scheduling of workflows on federated commercial Clouds. <i>Simulation Modelling Practice and Theory</i> , <b>2015</b> , 58, 95-111	3.9	26
28	Convergence speed in multi-objective metaheuristics: Efficiency criteria and empirical study. <i>International Journal for Numerical Methods in Engineering</i> , <b>2010</b> , 84, 1344-1375	2.4	24
27	jMetalSP: A framework for dynamic multi-objective big data optimization. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 69, 737-748	7.5	23
26	A Study of the Parallelization of the Multi-Objective Metaheuristic MOEA/D. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 303-317	0.9	23
25	Multi-objective Workflow Scheduling: An Analysis of the Energy Efficiency and Makespan Tradeoff <b>2013</b> ,		21
24	Solving large-scale real-world telecommunication problems using a grid-based genetic algorithm. <i>Engineering Optimization</i> , <b>2008</b> , 40, 1067-1084	2	19
23	Analysis of leader selection strategies in a multi-objective Particle Swarm Optimizer <b>2013</b> ,		18
22	A Study of Convergence Speed in Multi-objective Metaheuristics. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 763-772	0.9	18
21	Evolutionary algorithms for solving the automatic cell planning problem: a survey. <i>Engineering Optimization</i> , <b>2010</b> , 42, 671-690	2	16
20	Today/future importance analysis <b>2010</b> ,		15
19	A comparative study of the effect of parameter scalability in multi-objective metaheuristics <b>2008</b> ,		15
18	Multi-Objective Auto-Tuning with Insieme: Optimization and Trade-Off Analysis for Time, Energy and Resource Usage. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 87-98	0.9	14
17	Distribution of Computational Effort in Parallel MOEA/D. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 488-502		12
16	A dynamic evolutionary multi-objective virtual machine placement heuristic for cloud data centers. <i>Information and Software Technology</i> , <b>2020</b> , 128, 106390	3.4	9

15	A Study of the Combination of Variation Operators in the NSGA-II Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 269-278	0.9	7
14	On the Effect of Applying a Steady-State Selection Scheme in the Multi-Objective Genetic Algorithm NSGA-II. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 435-456	0.8	7
13	Integrating a multi-objective optimization framework into a structural design software. <i>Advances in Engineering Software</i> , <b>2014</b> , 76, 161-170	3.6	6
12	Multiple Sequence Alignment with Multiobjective Metaheuristics. A Comparative Study. <i>International Journal of Intelligent Systems</i> , <b>2017</b> , 32, 843-861	8.4	5
11	Dynamic Multi-Objective Optimization with jMetal and Spark: A Case Study. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 106-117	0.9	4
10	Designing a Self-Organized Approach for Scheduling Bag-of-Tasks <b>2012</b> ,		3
9	Dynamic Multi-objective Virtual Machine Placement in Cloud Data Centers <b>2019</b> ,		3
8	Extending the Speed-Constrained Multi-objective PSO (SMPSO) with Reference Point Based Preference Articulation. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 298-310	0.9	3
7	Workflow Scheduling on Federated Clouds. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 318-329	0.9	2
6	On the Velocity Update in Multi-Objective Particle Swarm Optimizers. <i>Studies in Computational Intelligence</i> , <b>2010</b> , 45-62	0.8	2
5	About Designing an Observer Pattern-Based Architecture for a Multi-objective Metaheuristic Optimization Framework. <i>Studies in Computational Intelligence</i> , <b>2018</b> , 50-60	0.8	2
4	A Study of Archiving Strategies in Multi-objective PSO for Molecular Docking. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 40-52	0.9	1
3	A Scatter Search Approach for Solving the Automatic Cell Planning Problem. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 334-342	0.9	1
2	Workflow Scheduling in Amazon EC2. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 374-383	0.9	1
1	Evaluating New Advanced Multiobjective Metaheuristics <b>2009</b> , 63-82		