

Alvaro Rubio-Largo

List of Publications by Citations

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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.

46 papers	271 citations	9 h-index	14 g-index
48 ext. papers	317 ext. citations	4 avg, IF	3.47 L-index

#	Paper	IF	Citations
46	Hybrid multiobjective artificial bee colony for multiple sequence alignment. <i>Applied Soft Computing Journal</i> , 2016 , 41, 157-168	7.5	31
45	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 499-514	15.6	31
44	. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 457-473	15.6	21
43	Finding Patterns in Protein Sequences by Using a Hybrid Multiobjective Teaching Learning Based Optimization Algorithm. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2015 , 12, 656-66	3	16
42	A Comparative Study on Multiobjective Swarm Intelligence for the Routing and Wavelength Assignment Problem. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 1644-1655		14
41	Applying MOEAs to solve the static Routing and Wavelength Assignment problem in optical WDM networks. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 1602-1619	7.2	14
40	A multiobjective approach based on artificial bee colony for the static routing and wavelength assignment problem. <i>Soft Computing</i> , 2013 , 17, 199-211	3.5	13
39	A multiobjective evolutionary algorithm based on decomposition with normal boundary intersection for traffic grooming in optical networks. <i>Information Sciences</i> , 2014 , 289, 91-116	7.7	13
38	2010 ,		12
37	Multiobjective evolutionary algorithm based on decomposition for 3-objective optimization problems with objectives in different scales. <i>Soft Computing</i> , 2015 , 19, 157-166	3.5	9
36	A Characteristic-Based Framework for Multiple Sequence Aligners. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 41-51	10.2	9
35	A Short-Term Data Based Water Consumption Prediction Approach. <i>Energies</i> , 2019 , 12, 2359	3.1	8
34	Solving the reporting cells problem by using a parallel team of evolutionary algorithms. <i>Logic Journal of the IGPL</i> , 2012 , 20, 722-731	1	8
33	Solving the Routing and Wavelength Assignment Problem in WDM Networks by Using a Multiobjective Variable Neighborhood Search Algorithm. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 47-54		7
32	. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 156-169	15.6	6
31	A Multiobjective Gravitational Search Algorithm Applied to the Static Routing and Wavelength Assignment Problem. <i>Lecture Notes in Computer Science</i> , 2011 , 41-50	0.9	5
30	Parallel H4MSA for Multiple Sequence Alignment 2015 ,		4

29	Convergence analysis of some multiobjective evolutionary algorithms when discovering motifs. <i>Soft Computing</i> , 2014 , 18, 853-869	3.5	4
28	MO-ABC/DE - Multiobjective Artificial Bee Colony with Differential Evolution for unconstrained multiobjective optimization 2012 ,		4
27	Tackling the Static RWA Problem by Using a Multiobjective Artificial Bee Colony Algorithm. <i>Lecture Notes in Computer Science</i> , 2011 , 364-371	0.9	4
26	Swarm intelligence for optimizing the parameters of multiple sequence aligners. <i>Swarm and Evolutionary Computation</i> , 2018 , 42, 16-28	9.8	4
25	Multiobjective optimization algorithms for motif discovery in DNA sequences. <i>Genetic Programming and Evolvable Machines</i> , 2015 , 16, 167-209	2	3
24	An improved multiobjective approach inspired by the flashing behaviour of fireflies for Traffic Grooming in optical WDM networks. <i>Applied Soft Computing Journal</i> , 2014 , 21, 617-636	7.5	3
23	Parallelizing and optimizing a hybrid differential evolution with Pareto tournaments for discovering motifs in DNA sequences. <i>Journal of Supercomputing</i> , 2014 , 70, 880-905	2.5	3
22	Routing Low-Speed Traffic Requests onto High-Speed Lightpaths by Using a Multiobjective Firefly Algorithm. <i>Lecture Notes in Computer Science</i> , 2013 , 12-21	0.9	3
21	Data-Driven Computational Intelligence for Scientific Programming. <i>Scientific Programming</i> , 2019 , 2019, 1-4	1.4	2
20	A Parallel Multiobjective Metaheuristic for Multiple Sequence Alignment. <i>Journal of Computational Biology</i> , 2018 , 25, 1009-1022	1.7	2
19	Searching for common patterns on protein sequences by means of a parallel hybrid honey-bee mating optimization algorithm. <i>Parallel Computing</i> , 2018 , 76, 1-17	1	2
18	2012 ,		2
17	Improving Optical WDM Networks by Using a Multi-core Version of Differential Evolution with Pareto Tournaments. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 629-636		2
16	A Multiobjective Approach Based on the Law of Gravity and Mass Interactions for Optimizing Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 13-24	0.9	2
15	A hybrid MPI/OpenMP parallel implementation of NSGA-II for finding patterns in protein sequences. <i>Journal of Supercomputing</i> , 2017 , 73, 2285-2312	2.5	1
14	A Pattern-Based Development Approach for Interaction Flow Modeling Language. <i>Scientific Programming</i> , 2019 , 2019, 1-15	1.4	1
13	A Parallel Multiobjective Approach based on Honey Bees for Traffic Grooming in Optical Networks. <i>Computer Journal</i> , 2015 , 58, 2171-2191	1.3	1
12	A Comparative Study of Different Motif Occurrence Models Applied to a Hybrid Multiobjective Shuffle Frog Leaping Algorithm. <i>Computer Journal</i> , 2016 , 59, 384-402	1.3	1

11	Performance assessment of multiobjective approaches in optical Traffic Grooming. <i>Journal of Network and Computer Applications</i> , 2014 , 41, 319-350	7.9	1
10	MOEA/D for traffic grooming in WDM optical networks 2013 ,		1
9	Using biological knowledge for multiple sequence aligner decision making. <i>Information Sciences</i> , 2017 , 420, 278-298	7.7	1
8	Multiobjective swarm intelligence for the traffic grooming problem. <i>Computational Optimization and Applications</i> , 2015 , 60, 479-511	1.4	1
7	A Parallel Cooperative Evolutionary Strategy for Solving the Reporting Cells Problem. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 71-78		1
6	Parallel Multi-objective Optimization for High-Order Epistasis Detection. <i>Lecture Notes in Computer Science</i> , 2017 , 523-532	0.9	1
5	Multiobjective characteristic-based framework for very-large multiple sequence alignment. <i>Applied Soft Computing Journal</i> , 2018 , 69, 719-736	7.5	0
4	Reducing Alignment Time Complexity of Ultra-Large Sets of Sequences. <i>Journal of Computational Biology</i> , 2017 , 24, 1144-1154	1.7	0
3	Designing a fine-grained parallel differential evolution with Pareto tournaments for solving an optical networking problem. <i>Concurrency Computation Practice and Experience</i> , 2014 , 26, 1908-1934	1.4	
2	Using a Multiobjective OpenMP+MPI DE for the Static RWA Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 224-231	0.9	
1	A Parallel Two-Level Multiobjective Artificial Bee Colony Approach for Traffic Grooming. <i>Lecture Notes in Computer Science</i> , 2013 , 404-411	0.9	