

Manuel Lozano

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.

35
papers

2,416
citations

18
h-index

39
g-index

39
ext. papers

2,704
ext. citations

4.3
avg, IF

4.99
L-index

#	Paper	IF	Citations
35	A study on the use of non-parametric tests for analyzing the evolutionary algorithms behaviour: a case study on the CEC2005 Special Session on Real Parameter Optimization. <i>Journal of Heuristics</i> , 2009 , 15, 617-644	1.9	1223
34	Real-coded memetic algorithms with crossover hill-climbing. <i>Evolutionary Computation</i> , 2004 , 12, 273-302	4.3	245
33	Memetic algorithms for continuous optimisation based on local search chains. <i>Evolutionary Computation</i> , 2010 , 18, 27-63	4.3	131
32	MA-SW-Chains: Memetic algorithm based on local search chains for large scale continuous global optimization 2010 ,		88
31	Stratification for scaling up evolutionary prototype selection. <i>Pattern Recognition Letters</i> , 2005 , 26, 953-963	4.63	88
30	Memetic algorithms based on local search chains for large scale continuous optimisation problems: MA-SSW-Chains. <i>Soft Computing</i> , 2011 , 15, 2201-2220	3.5	73
29	Evolutionary stratified training set selection for extracting classification rules with trade off precision-interpretability. <i>Data and Knowledge Engineering</i> , 2007 , 60, 90-108	1.5	73
28	Hybrid Metaheuristics Based on Evolutionary Algorithms and Simulated Annealing: Taxonomy, Comparison, and Synergy Test. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 787-800	15.6	57
27	An iterated greedy algorithm for the large-scale unrelated parallel machines scheduling problem. <i>Computers and Operations Research</i> , 2013 , 40, 1829-1841	4.6	56
26	Since CEC 2005 competition on real-parameter optimisation: a decade of research, progress and comparative analysis weakness. <i>Soft Computing</i> , 2017 , 21, 5573-5583	3.5	41
25	Optimizing network attacks by artificial bee colony. <i>Information Sciences</i> , 2017 , 377, 30-50	7.7	37
24	Arbitrary function optimisation with metaheuristics. <i>Soft Computing</i> , 2012 , 16, 2115-2133	3.5	29
23	An alternative artificial bee colony algorithm with destructive/nondestructive neighbourhood operator for the problem of composing medical crews. <i>Information Sciences</i> , 2016 , 326, 215-226	7.7	24
22	Role differentiation and malleable mating for differential evolution: an analysis on large-scale optimisation. <i>Soft Computing</i> , 2011 , 15, 2109-2126	3.5	24
21	Hybrid crossover operators with multiple descendents for real-coded genetic algorithms: Combining neighborhood-based crossover operators. <i>International Journal of Intelligent Systems</i> , 2009 , 24, 540-567	8.4	21
20	Tabu search with strategic oscillation for the quadratic minimum spanning tree. <i>IIE Transactions</i> , 2014 , 46, 414-428		19
19	Strategic oscillation for the quadratic multiple knapsack problem. <i>Computational Optimization and Applications</i> , 2014 , 58, 161-185	1.4	18

18	An Artificial Bee Colony Algorithm for the Unrelated Parallel Machines Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 143-152	0.9	18
17	GENERATING FUZZY RULES FROM EXAMPLES USING GENETIC ALGORITHMS. <i>Advances in Fuzzy Systems</i> , 1995 , 11-20		18
16	Evaluating a local genetic algorithm as context-independent local search operator for metaheuristics. <i>Soft Computing</i> , 2010 , 14, 1117-1139	3.5	17
15	Making CN2-SD subgroup discovery algorithm scalable to large size data sets using instance selection. <i>Expert Systems With Applications</i> , 2008 , 35, 1949-1965	7.8	17
14	Memetic Algorithm with Local Search Chaining for Continuous Optimization Problems: A Scalability Test 2009 ,		14
13	Local Search Based on Genetic Algorithms 2007 , 199-221		11
12	A genetic algorithm for the minimum generating set problem. <i>Applied Soft Computing Journal</i> , 2016 , 48, 254-264	7.5	10
11	GRASP with exterior path-relinking and restricted local search for the multidimensional two-way number partitioning problem. <i>Computers and Operations Research</i> , 2017 , 78, 243-254	4.6	8
10	Memetic Algorithm for Intense Local Search Methods Using Local Search Chains. <i>Lecture Notes in Computer Science</i> , 2008 , 58-71	0.9	7
9	Artificial Bee Colony for optimization of cloud-ready and survivable elastic optical networks. <i>Computer Communications</i> , 2018 , 128, 35-45	5.1	6
8	A Local Genetic Algorithm for Binary-Coded Problems. <i>Lecture Notes in Computer Science</i> , 2006 , 192-201	0.9	5
7	A GA-based multiple simulated annealing 2010 ,		4
6	Continuous Variable Neighbourhood Search Algorithm Based on Evolutionary Metaheuristic Components: A Scalability Test 2009 ,		4
5	Optimizing node infiltrations in complex networks by a local search based heuristic. <i>Computers and Operations Research</i> , 2019 , 111, 197-213	4.6	2
4	Analysing the significance of no free lunch theorems on the set of real-world binary problems 2011 ,		2
3	Network reconstruction from betweenness centrality by artificial bee colony. <i>Swarm and Evolutionary Computation</i> , 2021 , 62, 100851	9.8	0
2	Study of the Influence of the Local Search Method in Memetic Algorithms for Large Scale Continuous Optimization Problems. <i>Lecture Notes in Computer Science</i> , 2009 , 221-234	0.9	
1	Comments on: Tabu search tutorial. A Graph Drawing Application. <i>Top</i> , 2021 , 29, 357-362	1.3	

