Carlos Garcia-Martinez

List of Publications by Year in Descending Order

44 papers	1,364 citations	18 h-index	36 g-index
51 ext. papers	1,591 ext. citations	4.7 avg, IF	4.72 L-index

#	Paper	IF	Citations
44	Heuristics for interesting class association rule mining a colorectal cancer database. *Information Processing and Management*, **2020**, 57, 102207	6.3	7
43	JCLEC-MO: A Java suite for solving many-objective optimization engineering problems. *Engineering Applications of Artificial Intelligence*, **2019**, 81, 14-28	7.2	8
42	Improving essay peer grading accuracy in massive open online courses using personalized weights from student's engagement and performance. *Journal of Computer Assisted Learning*, **2019**, 35, 110-120	3.8	10
41	Since CEC 2005 competition on real-parameter optimisation: a decade of research, progress and comparative analysis weakness. *Soft Computing*, **2017**, 21, 5573-5583	3.5	41
40	Extremely high-dimensional optimization with MapReduce: Scaling functions and algorithm. *Information Sciences*, **2017**, 415-416, 110-127	7.7	17
39	Optimizing network attacks by artificial bee colony. *Information Sciences*, **2017**, 377, 30-50	7.7	37
38	GRASP with exterior path-relinking and restricted local search for the multidimensional two-way number partitioning problem. *Computers and Operations Research*, **2017**, 78, 243-254	4.6	8
37	An Iterated Greedy Algorithm for Improving the Generation of Synthetic Patterns in Imbalanced Learning. *Lecture Notes in Computer Science*, **2017**, 513-524	0.9	1
36	An alternative artificial bee colony algorithm with destructive constructive neighbourhood operator for the problem of composing medical crews. *Information Sciences*, **2016**, 326, 215-226	7.7	24
35	A genetic algorithm for the minimum generating set problem. *Applied Soft Computing Journal*, **2016**, 48, 254-264	7.5	10
34	Randomized greedy multi-start algorithm for the minimum common integer partition problem. *Engineering Applications of Artificial Intelligence*, **2016**, 50, 226-235	7.2	4
33	100 Million dimensions large-scale global optimization using distributed GPU computing **2016**,		7
32	The firefighter problem: Empirical results on random graphs. *Computers and Operations Research*, **2015**, 60, 55-66	4.6	9
31	A two-stage constructive method for the unweighted minimum string cover problem. *Knowledge-Based Systems*, **2015**, 77, 103-113	7.3	2
30	The Firefighter Problem: Application of Hybrid Ant Colony Optimization Algorithms. *Lecture Notes in Computer Science*, **2014**, 218-229	0.9	7
29	Tabu-enhanced iterated greedy algorithm: A case study in the quadratic multiple knapsack problem. *European Journal of Operational Research*, **2014**, 232, 454-463	5.6	39
28	Tabu search with strategic oscillation for the quadratic minimum spanning tree. *IIE Transactions*, **2014**, 46, 414-428		19

27	Strategic oscillation for the quadratic multiple knapsack problem. *Computational Optimization and Applications*, **2014**, 58, 161-185	1.4	18
26	Classification Rule Mining with Iterated Greedy. *Lecture Notes in Computer Science*, **2014**, 585-596	0.9	3
25	An artificial bee colony algorithm for the maximally diverse grouping problem. *Information Sciences*, **2013**, 230, 183-196	7.7	44
24	An iterated greedy algorithm for the large-scale unrelated parallel machines scheduling problem. *Computers and Operations Research*, **2013**, 40, 1829-1841	4.6	56
23	Hybrid Metaheuristics Based on Evolutionary Algorithms and Simulated Annealing: Taxonomy, Comparison, and Synergy Test. *IEEE Transactions on Evolutionary Computation*, **2012**, 16, 787-800	15.6	57
22	Arbitrary function optimisation with metaheuristics. *Soft Computing*, **2012**, 16, 2115-2133	3.5	29
21	GRASP with path-relinking for the non-identical parallel machine scheduling problem with minimising total weighted completion times. *Annals of Operations Research*, **2012**, 201, 383-401	3.2	15
20	Iterated Greedy Algorithms for the Maximal Covering Location Problem. *Lecture Notes in Computer Science*, **2012**, 172-181	0.9	3
19	A simulated annealing method based on a specialised evolutionary algorithm. *Applied Soft Computing Journal*, **2012**, 12, 573-588	7.5	17
18	An Artificial Bee Colony Algorithm for the Unrelated Parallel Machines Scheduling Problem. *Lecture Notes in Computer Science*, **2012**, 143-152	0.9	18
17	Role differentiation and malleable mating for differential evolution: an analysis on large-scale optimisation. *Soft Computing*, **2011**, 15, 2109-2126	3.5	24
16	Analysing the significance of no free lunch theorems on the set of real-world binary problems **2011**,		2
15	Iterated greedy for the maximum diversity problem. *European Journal of Operational Research*, **2011**, 214, 31-38	5.6	38
14	Memetic algorithms for continuous optimisation based on local search chains. *Evolutionary Computation*, **2010**, 18, 27-63	4.3	131
13	P system model optimisation by means of evolutionary based search algorithms **2010**,		2
12	A GA-based multiple simulated annealing **2010**,		4
11	Evaluating a local genetic algorithm as context-independent local search operator for metaheuristics. *Soft Computing*, **2010**, 14, 1117-1139	3.5	17
10	Hybrid metaheuristics with evolutionary algorithms specializing in intensification and diversification: Overview and progress report. *Computers and Operations Research*, **2010**, 37, 481-497	4.6	123

9   Simulated annealing based on local genetic search **2009**,   2

8   Continuous Variable Neighbourhood Search Algorithm Based on Evolutionary Metaheuristic
     Components: A Scalability Test **2009**,   4

7   A fuzzy model to evaluate the suitability of installing an enterprise resource planning system.
     Information Sciences, **2009**, 179, 2333-2341   7.7   18

6   Real-parameter crossover operators with multiple descendents: An experimental study.
     International Journal of Intelligent Systems, **2008**, 23, 246-268   8.4   7

5   Global and local real-coded genetic algorithms based on parent-centric crossover operators.
     European Journal of Operational Research, **2008**, 185, 1088-1113   5.6   220

4   A taxonomy and an empirical analysis of multiple objective ant colony optimization algorithms for
     the bi-criteria TSP. *European Journal of Operational Research*, **2007**, 180, 116-148   5.6   206

3   Local Search Based on Genetic Algorithms **2007**, 199-221   11

2   A Local Genetic Algorithm for Binary-Coded Problems. *Lecture Notes in Computer Science*, **2006**, 192-201 0.9   5

1   An Empirical Analysis of Multiple Objective Ant Colony Optimization Algorithms for the Bi-criteria
     TSP. *Lecture Notes in Computer Science*, **2004**, 61-72   0.9   19