

Enrique Alba

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.

327 papers	6,569 citations	39 h-index	69 g-index
349 ext. papers	7,597 ext. citations	3 avg, IF	6.41 L-index

#	Paper	IF	Citations
327	. <i>IEEE Transactions on Evolutionary Computation</i> , 2002 , 6, 443-462	15.6	513
326	. <i>IEEE Transactions on Evolutionary Computation</i> , 2005 , 9, 126-142	15.6	294
325	AbYSS: Adapting Scatter Search to Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 439-457	15.6	230
324	A survey of parallel distributed genetic algorithms. <i>Complexity</i> , 1999 , 4, 31-52	1.6	186
323	MOCeII: A cellular genetic algorithm for multiobjective optimization. <i>International Journal of Intelligent Systems</i> , 2009 , 24, 726-746	8.4	176
322	Parallel metaheuristics: recent advances and new trends. <i>International Transactions in Operational Research</i> , 2013 , 20, 1-48	2.9	174
321	The jMetal framework for multi-objective optimization: Design and architecture 2010 ,		160
320	Two hybrid wrapper-filter feature selection algorithms applied to high-dimensional microarray experiments. <i>Applied Soft Computing Journal</i> , 2016 , 38, 922-932	7.5	137
319	Smart City and information technology: A review. <i>Cities</i> , 2019 , 93, 84-94	5.6	124
318	Intelligent OLSR Routing Protocol Optimization for VANETs. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 1884-1894	6.8	116
317	Parallel evolutionary algorithms can achieve super-linear performance. <i>Information Processing Letters</i> , 2002 , 82, 7-13	0.8	112
316	Analyzing synchronous and asynchronous parallel distributed genetic algorithms. <i>Future Generation Computer Systems</i> , 2001 , 17, 451-465	7.5	108
315	Optimal Cycle Program of Traffic Lights With Particle Swarm Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 823-839	15.6	105
314	Gene selection in cancer classification using PSO/SVM and GA/SVM hybrid algorithms 2007 ,		98
313	Swarm intelligence for traffic light scheduling: Application to real urban areas. <i>Engineering Applications of Artificial Intelligence</i> , 2012 , 25, 274-283	7.2	88
312	. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 618-635	15.6	83
311	A comparative study between dynamic adapted PSO and VNS for the vehicle routing problem with dynamic requests. <i>Applied Soft Computing Journal</i> , 2012 , 12, 1426-1439	7.5	79

310	Parallel Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2011 ,	0.8	75
309	Multi-Objective Particle Swarm Optimizers: An Experimental Comparison. <i>Lecture Notes in Computer Science</i> , 2009 , 495-509	0.9	73
308	Sensitivity and specificity based multiobjective approach for feature selection: Application to cancer diagnosis. <i>Information Processing Letters</i> , 2009 , 109, 887-896	0.8	72
307	Selection intensity in cellular evolutionary algorithms for regular lattices. <i>IEEE Transactions on Evolutionary Computation</i> , 2005 , 9, 489-505	15.6	70
306	Heterogeneous Computing and Parallel Genetic Algorithms. <i>Journal of Parallel and Distributed Computing</i> , 2002 , 62, 1362-1385	4.4	65
305	A cellular multi-objective genetic algorithm for optimal broadcasting strategy in metropolitan MANETs. <i>Computer Communications</i> , 2007 , 30, 685-697	5.1	64
304	MALLBA: a software library to design efficient optimisation algorithms. <i>International Journal of Innovative Computing and Applications</i> , 2007 , 1, 74	0.4	57
303	Computing nine new best-so-far solutions for Capacitated VRP with a cellular Genetic Algorithm. <i>Information Processing Letters</i> , 2006 , 98, 225-230	0.8	57
302	. <i>Statistics and Computing</i> , 2002 , 12, 91-114	1.8	52
301	Efficient parallel LAN/WAN algorithms for optimization. The mallba project. <i>Parallel Computing</i> , 2006 , 32, 415-440	1	50
300	A study of the bi-objective next release problem. <i>Empirical Software Engineering</i> , 2011 , 16, 29-60	3.3	49
299	Influence of the Migration Policy in Parallel Distributed GAs with Structured and Panmictic Populations. <i>Applied Intelligence</i> , 2000 , 12, 163-181	4.9	47
298	Multi-objective optimization using metaheuristics: non-standard algorithms. <i>International Transactions in Operational Research</i> , 2012 , 19, 283-305	2.9	45
297	Evolutionary algorithms for the multi-objective test data generation problem. <i>Software - Practice and Experience</i> , 2012 , 42, 1331-1362	2.5	44
296	A parallel micro evolutionary algorithm for heterogeneous computing and grid scheduling. <i>Applied Soft Computing Journal</i> , 2012 , 12, 626-639	7.5	43
295	Restart particle swarm optimization with velocity modulation: a scalability test. <i>Soft Computing</i> , 2011 , 15, 2221-2232	3.5	41
294	Design Issues in a Multiobjective Cellular Genetic Algorithm 2007 , 126-140		41
293	Introduction to Cellular Genetic Algorithms. <i>Operations Research/ Computer Science Interfaces Series</i> , 2008 , 3-20	0.3	41

292	Fast energy-aware OLSR routing in VANETs by means of a parallel evolutionary algorithm. <i>Cluster Computing</i> , 2013 , 16, 435-450	2.1	40
291	. <i>Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on</i> , 2008 ,		40
290	Observations in using parallel and sequential evolutionary algorithms for automatic software testing. <i>Computers and Operations Research</i> , 2008 , 35, 3161-3183	4.6	39
289	Parallel heterogeneous genetic algorithms for continuous optimization. <i>Parallel Computing</i> , 2004 , 30, 699-719	1	39
288	Variable neighborhood search for the stochastic and dynamic vehicle routing problem. <i>Annals of Operations Research</i> , 2016 , 236, 425-461	3.2	37
287	Parallel multi-swarm optimizer for gene selection in DNA microarrays. <i>Applied Intelligence</i> , 2012 , 37, 255-266	4.9	37
286	Improving Diversity in Evolutionary Algorithms: New Best Solutions for Frequency Assignment. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 539-553	15.6	35
285	A Study of the Multi-objective Next Release Problem 2009 ,		35
284	Finding safety errors with ACO 2007 ,		35
283	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
282	Efficient Batch Job Scheduling in Grids Using Cellular Memetic Algorithms. <i>Mathematical Modelling and Algorithms</i> , 2008 , 7, 217-236		33
281	Location discovery in Wireless Sensor Networks using metaheuristics. <i>Applied Soft Computing Journal</i> , 2011 , 11, 1223-1240	7.5	32
280	Simulated Annealing for Optimization of Wind Farm Annual Profit 2009 ,		32
279	Automatic tuning of communication protocols for vehicular ad hoc networks using metaheuristics. <i>Engineering Applications of Artificial Intelligence</i> , 2010 , 23, 795-805	7.2	32
278	Island Based Distributed Differential Evolution: An Experimental Study on Hybrid Testbeds 2008 ,		31
277	ACO vs EAs for solving a real-world frequency assignment problem in GSM networks 2007 ,		31
276	Heterogeneous computing scheduling with evolutionary algorithms. <i>Soft Computing</i> , 2010 , 15, 685-701	3.5	30
275	DNA fragment assembly using a grid-based genetic algorithm. <i>Computers and Operations Research</i> , 2008 , 35, 2776-2790	4.6	30

274	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
273	Optimal antenna placement using a new multi-objective chc algorithm 2007 ,		28
272	Parallel Genetic Algorithms. <i>ACM Computing Surveys</i> , 2020 , 53, 1-39	13.4	28
271	Autocorrelation measures for the quadratic assignment problem. <i>Applied Mathematics Letters</i> , 2012 , 25, 698-705	3.5	27
270	Cellular Evolutionary Algorithms: Evaluating the Influence of Ratio. <i>Lecture Notes in Computer Science</i> , 2000 , 29-38	0.9	27
269	Red Swarm: Reducing travel times in smart cities by using bio-inspired algorithms. <i>Applied Soft Computing Journal</i> , 2014 , 24, 181-195	7.5	26
268	Using multi-objective metaheuristics to solve the software project scheduling problem 2011 ,		25
267	Optimization algorithms for large-scale real-world instances of the frequency assignment problem. <i>Soft Computing</i> , 2011 , 15, 975-990	3.5	25
266	Automatic Parameter Tuning with Metaheuristics of the AODV Routing Protocol for Vehicular Ad-Hoc Networks. <i>Lecture Notes in Computer Science</i> , 2010 , 21-30	0.9	24
265	A methodology to find the elementary landscape decomposition of combinatorial optimization problems. <i>Evolutionary Computation</i> , 2011 , 19, 597-637	4.3	24
264	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
263	A New Local Search Algorithm for the DNA Fragment Assembly Problem. <i>Lecture Notes in Computer Science</i> , 2007 , 1-12	0.9	24
262	Benchmarking a Wide Spectrum of Metaheuristic Techniques for the Radio Network Design Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2009 , 13, 1133-1150	15.6	23
261	Multi-objective Optimal Test Suite Computation for Software Product Line Pairwise Testing 2013 ,		22
260	Multi-Objective Optimization using Grid Computing. <i>Soft Computing</i> , 2007 , 11, 531-540	3.5	22
259	Ant colony optimization with partial order reduction for discovering safety property violations in concurrent models. <i>Information Processing Letters</i> , 2008 , 106, 221-231	0.8	22
258	ACOhg 2007 ,		22
257	ON THE BEHAVIOR OF PARALLEL GENETIC ALGORITHMS FOR OPTIMAL PLACEMENT OF ANTENNAE IN TELECOMMUNICATIONS. <i>International Journal of Foundations of Computer Science</i> , 2005 , 16, 343-359	0.6	22

256	New Research in Nature Inspired Algorithms for Mobility Management in GSM Networks. <i>Lecture Notes in Computer Science</i> , 2008 , 1-10	0.9	22
255	Ant Algorithm for Optimal Sensor Deployment. <i>Studies in Computational Intelligence</i> , 2012 , 21-29	0.8	22
254	Observations in using Grid-enabled technologies for solving multi-objective optimization problems. <i>Parallel Computing</i> , 2006 , 32, 377-393	1	21
253	Local Optima Networks, Landscape Autocorrelation and Heuristic Search Performance. <i>Lecture Notes in Computer Science</i> , 2012 , 337-347	0.9	20
252	Metaheuristics for solving a real-world frequency assignment problem in GSM networks 2008 ,		20
251	Natural language tagging with genetic algorithms. <i>Information Processing Letters</i> , 2006 , 100, 173-182	0.8	20
250	A New Heuristic for Solving the Parking Assignment Problem. <i>Procedia Computer Science</i> , 2015 , 60, 312-321	1	19
249	Empirical evaluation of distributed Differential Evolution on standard benchmarks. <i>Applied Mathematics and Computation</i> , 2014 , 236, 351-366	2.7	19
248	Estimating software testing complexity. <i>Information and Software Technology</i> , 2013 , 55, 2125-2139	3.4	19
247	A multi-GPU implementation of a Cellular Genetic Algorithm 2010 ,		19
246	Solving large-scale real-world telecommunication problems using a grid-based genetic algorithm. <i>Engineering Optimization</i> , 2008 , 40, 1067-1084	2	19
245	An analysis of synchronous and asynchronous parallel distributed genetic algorithms with structured and panmictic Islands. <i>Lecture Notes in Computer Science</i> , 1999 , 248-256	0.9	19
244	A parallel local search in CPU/GPU for scheduling independent tasks on large heterogeneous computing systems. <i>Journal of Supercomputing</i> , 2015 , 71, 648-672	2.5	18
243	Multi-Swarm Optimization for Dynamic Combinatorial Problems: A Case Study on Dynamic Vehicle Routing Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 227-238	0.9	18
242	A Study of Convergence Speed in Multi-objective Metaheuristics. <i>Lecture Notes in Computer Science</i> , 2008 , 763-772	0.9	18
241	Cellular Genetic Algorithm on Graphic Processing Units. <i>Studies in Computational Intelligence</i> , 2010 , 223-232	0.32	17
240	Algorithm::Evolutionary, a flexible Perl module for evolutionary computation. <i>Soft Computing</i> , 2010 , 14, 1091-1109	3.5	17
239	Measuring Fitness Degradation in Dynamic Optimization Problems. <i>Lecture Notes in Computer Science</i> , 2010 , 572-581	0.9	17

238	Reliable simulation-optimization of traffic lights in a real-world city. <i>Applied Soft Computing Journal</i> , 2019 , 78, 697-711	7.5	16
237	Fitness Probability Distribution of Bit-Flip Mutation. <i>Evolutionary Computation</i> , 2015 , 23, 217-48	4.3	16
236	Search based algorithms for test sequence generation in functional testing. <i>Information and Software Technology</i> , 2015 , 58, 419-432	3.4	16
235	Light commodity devices for building vehicular ad hoc networks: An experimental study. <i>Ad Hoc Networks</i> , 2016 , 37, 499-511	4.8	16
234	Comparative analysis of classical multi-objective evolutionary algorithms and seeding strategies for pairwise testing of Software Product Lines 2014 ,		16
233	Parallel Swarm Intelligence for VANETs Optimization 2012 ,		16
232	Best practices in measuring algorithm performance for dynamic optimization problems. <i>Soft Computing</i> , 2013 , 17, 1005-1017	3.5	16
231	Evolutionary algorithms for solving the automatic cell planning problem: a survey. <i>Engineering Optimization</i> , 2010 , 42, 671-690	2	16
230	Evolutionary algorithm for prioritized pairwise test data generation 2012 ,		16
229	Metaheuristics and Parallelism 2005 , 79-103		16
228	Parallel Hybrid Metaheuristics 2005 , 347-370		16
227	Parallel multi-objective metaheuristics for smart communications in vehicular networks. <i>Soft Computing</i> , 2017 , 21, 1949-1961	3.5	15
226	Infrastructure Deployment in Vehicular Communication Networks Using a Parallel Multiobjective Evolutionary Algorithm. <i>International Journal of Intelligent Systems</i> , 2017 , 32, 801-829	8.4	15
225	Software systems from smart city vendors. <i>Cities</i> , 2020 , 101, 102690	5.6	15
224	Today/future importance analysis 2010 ,		15
223	A comparative study of the effect of parameter scalability in multi-objective metaheuristics 2008 ,		15
222	New Ideas in Applying Scatter Search to Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , 2005 , 443-458	0.9	15
221	A parallel evolutionary algorithm for prioritized pairwise testing of software product lines 2014 ,		14

220	Seeding strategies and recombination operators for solving the DNA fragment assembly problem. <i>Information Processing Letters</i> , 2008 , 108, 94-100	0.8	14
219	Comparative analysis of modern optimization tools for the p-median problem. <i>Statistics and Computing</i> , 2006 , 16, 251-260	1.8	14
218	Metaheuristic assemblers of DNA strands: Noiseless and noisy cases 2010 ,		13
217	Distributed Approach for Solving Time-Dependent Problems in Multimodal Transport Networks. <i>Advances in Operations Research</i> , 2009 , 2009, 1-15	1.3	13
216	Parallel Metaheuristics for Workforce Planning. <i>Mathematical Modelling and Algorithms</i> , 2007 , 6, 509-528		13
215	Hierarchical Cellular Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2006 , 111-122	0.9	13
214	Global memory schemes for dynamic optimization. <i>Natural Computing</i> , 2016 , 15, 319-333	1.3	12
213	A swarm algorithm for collaborative traffic in vehicular networks. <i>Vehicular Communications</i> , 2018 , 12, 127-137	5.7	12
212	CHC and SA applied to wind energy optimization using real data 2010 ,		12
211	A self-adaptive cellular memetic algorithm for the DNA fragment assembly problem 2008 ,		12
210	Parallel Multiobjective Optimization 2005 , 371-394		12
209	Parallel Genetic Algorithms 2005 , 105-125		12
208	Efficient Batch Job Scheduling in Grids Using Cellular Memetic Algorithms. <i>Studies in Computational Intelligence</i> , 2008 , 273-299	0.8	12
207	Distribution of Computational Effort in Parallel MOEA/D. <i>Lecture Notes in Computer Science</i> , 2011 , 488-502		12
206	Performance analysis of synchronous and asynchronous distributed genetic algorithms on multiprocessors. <i>Swarm and Evolutionary Computation</i> , 2019 , 49, 147-157	9.8	11
205	BIN-CT: Urban waste collection based on predicting the container fill level. <i>BioSystems</i> , 2019 , 186, 103962	2.9	11
204	A better understanding on traffic light scheduling: New cellular GAs and new in-depth analysis of solutions. <i>Journal of Computational Science</i> , 2020 , 41, 101085	3.4	11
203	SCHEDULING IN HETEROGENEOUS COMPUTING AND GRID ENVIRONMENTS USING A PARALLEL CHC EVOLUTIONARY ALGORITHM. <i>Computational Intelligence</i> , 2012 , 28, 131-155	2.5	11

202	Multi-environmental cooperative parallel metaheuristics for solving dynamic optimization problems. <i>Journal of Supercomputing</i> , 2013 , 63, 836-853	2.5	11
201	ABC, a new performance tool for algorithms solving dynamic optimization problems 2010 ,		11
200	Wireless Sensor Network Deployment Using a Memetic Simulated Annealing 2008 ,		11
199	Measuring the Performance of Parallel Metaheuristics 2005 , 43-62		11
198	Metaheuristics for the DNA Fragment Assembly Problem. <i>International Journal of Computational Intelligence Research</i> , 2005 , 1,	0	11
197	A Hybrid Cellular Genetic Algorithm for the Capacitated Vehicle Routing Problem. <i>Studies in Computational Intelligence</i> , 2008 , 379-422	0.8	11
196	An efficient discrete PSO coupled with a fast local search heuristic for the DNA fragment assembly problem. <i>Information Sciences</i> , 2020 , 512, 880-908	7.7	11
195	Optimal allocation of public parking spots in a smart city: problem characterisation and first algorithms. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2019 , 31, 575-597	2	10
194	Parallel Multiobjective Evolutionary Algorithms 2015 , 1017-1031		10
193	Generating realistic urban traffic flows with evolutionary techniques. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 75, 36-47	7.2	10
192	An efficient routing protocol for green communications in vehicular ad-hoc networks 2011 ,		10
191	Design and evaluation of tabu search method for job scheduling in distributed environments. <i>Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on</i> , 2008 ,		10
190	Efficient Batch Job Scheduling in Grids using Cellular Memetic Algorithms 2007 ,		10
189	An Introduction to Metaheuristic Techniques 2005 , 1-42		10
188	Growth Curves and Takeover Time in Distributed Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2004 , 864-876	0.9	10
187	Comparing Synchronous and Asynchronous Cellular Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2002 , 601-610	0.9	10
186	Optimizing User Experience in Choosing Android Applications 2016 ,		9
185	Smart Mobility by Optimizing the Traffic Lights: A New Tool for Traffic Control Centers. <i>Lecture Notes in Computer Science</i> , 2016 , 147-156	0.9	9

184	An improved trajectory-based hybrid metaheuristic applied to the noisy DNA Fragment Assembly Problem. <i>Information Sciences</i> , 2014 , 277, 273-283	7.7	9
183	Designing heterogeneous distributed GAs by efficiently self-adapting the migration period. <i>Applied Intelligence</i> , 2012 , 36, 800-808	4.9	9
182	Bitwise operations for GPU implementation of genetic algorithms 2011 ,		9
181	Towards the Design of Systolic Genetic Search 2012 ,		9
180	Utilizing dynastically optimal forma recombination in hybrid genetic algorithms. <i>Lecture Notes in Computer Science</i> , 1998 , 305-314	0.9	9
179	A bi-population based scheme for an explicit exploration/exploitation trade-off in dynamic environments. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2017 , 29, 453-479	2	8
178	Solving optimization problems using a hybrid systolic search on GPU plus CPU. <i>Soft Computing</i> , 2017 , 21, 3227-3245	3.5	8
177	An empirical time analysis of evolutionary algorithms as C programs. <i>Software - Practice and Experience</i> , 2015 , 45, 111-142	2.5	8
176	Eco-friendly reduction of travel times in european smart cities 2014 ,		8
175	Exact computation of the expectation surfaces for uniform crossover along with bit-flip mutation. <i>Theoretical Computer Science</i> , 2014 , 545, 76-93	1.1	8
174	Multi-objective OLSR optimization for VANETs 2012 ,		8
173	Micro-differential evolution with local search for high dimensional problems 2013 ,		8
172	Elementary landscape decomposition of the quadratic assignment problem 2010 ,		8
171	Multi-environmental Cooperative Parallel Metaheuristics for Solving Dynamic Optimization Problems 2011 ,		8
170	Exact computation of the expectation curves of the bit-flip mutation using landscapes theory 2011 ,		8
169	Parallel Evolutionary Multiobjective Optimization 2006 , 33-56		8
168	Evaluation of Different Metaheuristics Solving the RND Problem 2007 , 101-110		8
167	A Hybrid Genetic Algorithm for the DNA Fragment Assembly Problem. <i>Studies in Computational Intelligence</i> , 2008 , 101-112	0.8	8

166	Evolutionary Algorithms for Real-World Instances of the Automatic Frequency Planning Problem in GSM Networks. <i>Lecture Notes in Computer Science</i> , 2007 , 108-120	0.9	8
165	Optimal Wireless Sensor Network Layout with Metaheuristics: Solving a Large Scale Instance. <i>Lecture Notes in Computer Science</i> , 2008 , 527-535	0.9	8
164	On the Application of SAT Solvers to the Test Suite Minimization Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 45-59	0.9	8
163	Random error sampling-based recurrent neural network architecture optimization. <i>Engineering Applications of Artificial Intelligence</i> , 2020 , 96, 103946	7.2	8
162	A Systolic Genetic Search for reducing the execution cost of regression testing. <i>Applied Soft Computing Journal</i> , 2016 , 49, 1145-1161	7.5	8
161	A stop-and-start adaptive cellular genetic algorithm for mobility management of GSM-LTE cellular network users. <i>Expert Systems With Applications</i> , 2018 , 106, 290-304	7.8	7
160	Green Swarm: Greener routes with bio-inspired techniques. <i>Applied Soft Computing Journal</i> , 2018 , 71, 952-963	7.5	7
159	Efficient anytime algorithms to solve the bi-objective Next Release Problem. <i>Journal of Systems and Software</i> , 2019 , 156, 217-231	3.3	7
158	Elementary landscape decomposition of the 0-1 unconstrained quadratic optimization. <i>Journal of Heuristics</i> , 2013 , 19, 711-728	1.9	7
157	Distributed evolutionary algorithms with adaptive migration period 2011 ,		7
156	Parallel Models for Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2011 , 15-30	0.8	7
155	Elementary landscape decomposition of the frequency assignment problem. <i>Theoretical Computer Science</i> , 2011 , 412, 6002-6019	1.1	7
154	Robust solutions for the software project scheduling problem: a preliminary analysis. <i>International Journal of Metaheuristics</i> , 2012 , 2, 56	0.8	7
153	Accuracy and Efficiency in Simulating VANETs. <i>Communications in Computer and Information Science</i> , 2008 , 568-578	0.3	7
152	Finding liveness errors with ACO 2008 ,		7
151	Evolutionary algorithms applied to reliable communication network design. <i>Engineering Optimization</i> , 2007 , 39, 831-855	2	7
150	A comparison of PSO and GA approaches for gene selection and classification of microarray data 2007 ,		7
149	Advanced models of cellular genetic algorithms evaluated on SAT 2005 ,		7

148	Hybrid ACO Algorithm for the GPS Surveying Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 318-325	0.9	7
147	Comparing Metaheuristic Algorithms for Error Detection in Java Programs. <i>Lecture Notes in Computer Science</i> , 2011 , 82-96	0.9	7
146	The grid-to-neighbourhood relationship in cellular GAs: from design to solving complex problems. <i>Soft Computing</i> , 2020 , 24, 3569-3589	3.5	7
145	Optimising Real-World Traffic Cycle Programs by Using Evolutionary Computation. <i>IEEE Access</i> , 2019 , 7, 43915-43932	3.5	6
144	Systolic genetic search, a systolic computing-based metaheuristic. <i>Soft Computing</i> , 2015 , 19, 1779-1801	3.5	6
143	Smart Mobility Policies with Evolutionary Algorithms 2015 ,		6
142	Parallel execution combinatorics with metaheuristics: Comparative study. <i>Swarm and Evolutionary Computation</i> , 2020 , 55, 100692	9.8	6
141	Evolutionary power-aware routing in VANETs using Monte-Carlo simulation 2012 ,		6
140	Green OLSR in VANETs with differential evolution 2012 ,		6
139	Performance analysis of optimized VANET protocols in real world tests 2011 ,		6
138	An asynchronous parallel implementation of a cellular genetic algorithm for combinatorial optimization 2009 ,		6
137	Why six informants is optimal in PSO 2012 ,		6
136	Using Variable Neighborhood Search to improve the Support Vector Machine performance in embedded automotive applications 2008 ,		6
135	Optimal Placement of Antennae Using Metaheuristics 2006 , 214-222		6
134	Two models of parallel ACO algorithms for the minimum tardy task problem. <i>International Journal of High Performance Systems Architecture</i> , 2007 , 1, 50	0.9	6
133	Optimizing the DFCN Broadcast Protocol with a Parallel Cooperative Strategy of Multi-Objective Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2009 , 305-319	0.9	6
132	Flexible Variable Neighborhood Search in Dynamic Vehicle Routing. <i>Lecture Notes in Computer Science</i> , 2011 , 344-353	0.9	6
131	Elementary Landscape Decomposition of the Test Suite Minimization Problem. <i>Lecture Notes in Computer Science</i> , 2011 , 48-63	0.9	6

130	The State of the Art in Cellular Evolutionary Algorithms. <i>Operations Research/ Computer Science Interfaces Series</i> , 2008 , 21-34	0.3	6
129	Efficiently finding the optimum number of clusters in a dataset with a new hybrid differential evolution algorithm: DELA. <i>Soft Computing</i> , 2016 , 20, 895-905	3.5	5
128	Ant Colony Based Algorithms for Dynamic Optimization Problems. <i>Studies in Computational Intelligence</i> , 2013 , 189-210	0.8	5
127	Metaheuristics for Dynamic Vehicle Routing. <i>Studies in Computational Intelligence</i> , 2013 , 265-289	0.8	5
126	An Evolutionary Algorithm to Generate Real Urban Traffic Flows. <i>Lecture Notes in Computer Science</i> , 2015 , 332-343	0.9	5
125	Empirical computation of the quasi-optimal number of informants in particle swarm optimization 2011 ,		5
124	Variable Neighborhood Search as Genetic Algorithm Operator for DNA Fragment Assembling Problem 2008 ,		5
123	Comparative study of serial and parallel heuristics used to design combinational logic circuits. <i>Optimization Methods and Software</i> , 2007 , 22, 485-509	1.3	5
122	A Parallel Island Model for Estimation of Distribution Algorithms. <i>Studies in Fuzziness and Soft Computing</i> , 2006 , 159-186	0.7	5
121	Parallel Heterogeneous Metaheuristics 2005 , 395-422		5
120	A Study of Canonical GAs for NSOPs 2007 , 245-260		5
119	Intelligent Testing of Traffic Light Programs: Validation in Smart Mobility Scenarios. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-19	1.1	5
118	Software Testing with Evolutionary Strategies. <i>Lecture Notes in Computer Science</i> , 2006 , 50-65	0.9	5
117	An improved problem aware local search algorithm for the DNA fragment assembly problem. <i>Soft Computing</i> , 2017 , 21, 1709-1720	3.5	4
116	A component-based study of energy consumption for sequential and parallel genetic algorithms. <i>Journal of Supercomputing</i> , 2019 , 75, 6194-6219	2.5	4
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