Enrique Alba

List of Publications by Year in Descending Order

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	Automatizing Software Cognitive Complexity Reduction. *IEEE Access*, **2022**, 10, 11642-11656	3.5	0
326	Metaheuristics on quantum computers: Inspiration, simulation and real execution. *Future Generation Computer Systems*, **2022**, 130, 164-180	7.5	0
325	A fresh approach to evaluate performance in distributed parallel genetic algorithms. *Applied Soft Computing Journal*, **2022**, 119, 108540	7.5	
324	Dynamic and adaptive fault-tolerant asynchronous federated learning using volunteer edge devices. *Future Generation Computer Systems*, **2022**, 133, 53-67	7.5	1
323	Metaheuristics and Software Engineering: Past, Present, and Future. *International Journal of Software Engineering and Knowledge Engineering*, **2021**, 31, 1349-1375	1	1
322	Bayesian neural architecture search using a training-free performance metric. *Applied Soft Computing Journal*, **2021**, 106, 107356	7.5	0
321	Hybridization of Racing Methods with Evolutionary Operators for Simulation Optimization of Traffic Lights Programs. *Lecture Notes in Computer Science*, **2021**, 17-33	0.9	1
320	Improving Search Efficiency and Diversity of Solutions in Multiobjective Binary Optimization by Using Metaheuristics Plus Integer Linear Programming. *Lecture Notes in Computer Science*, **2021**, 242-257	0.9	
319	Yellow Swarm: LED panels to advise optimal alternative tours to drivers in the city of Malaga. *Applied Soft Computing Journal*, **2021**, 109, 107566	7.5	0
318	Citizen Centric Optimal Electric Vehicle Charging Stations Locations in a Full City: Case of Malaga. *Lecture Notes in Computer Science*, **2021**, 247-257	0.9	3
317	Software systems from smart city vendors. *Cities*, **2020**, 101, 102690	5.6	15
316	A better understanding on traffic light scheduling: New cellular GAs and new in-depth analysis of solutions. *Journal of Computational Science*, **2020**, 41, 101085	3.4	11
315	Parallel execution combinatorics with metaheuristics: Comparative study. *Swarm and Evolutionary Computation*, **2020**, 55, 100692	9.8	6
314	Parallel Genetic Algorithms. *ACM Computing Surveys*, **2020**, 53, 1-39	13.4	28
313	Intelligent System for the Reduction of Injuries in Archery. *Communications in Computer and Information Science*, **2020**, 128-137	0.3	
312	CMI: An online multi-objective genetic autoscaler for scientific and engineering workflows in cloud infrastructures with unreliable virtual machines. *Journal of Network and Computer Applications*, **2020**, 149, 102464	7.9	4
311	Random error sampling-based recurrent neural network architecture optimization. *Engineering Applications of Artificial Intelligence*, **2020**, 96, 103946	7.2	8

310	The grid-to-neighbourhood relationship in cellular GAs: from design to solving complex problems. *Soft Computing*, **2020**, 24, 3569-3589	3.5	7
309	Can I Park in the City Center? Predicting Car Park Occupancy Rates in Smart Cities. *Journal of Urban Technology*, **2020**, 27, 27-41	5.9	3
308	An efficient discrete PSO coupled with a fast local search heuristic for the DNA fragment assembly problem. *Information Sciences*, **2020**, 512, 880-908	7.7	11
307	Performance analysis of synchronous and asynchronous distributed genetic algorithms on multiprocessors. *Swarm and Evolutionary Computation*, **2019**, 49, 147-157	9.8	11
306	Smart City and information technology: A review. *Cities*, **2019**, 93, 84-94	5.6	124
305	BIN-CT: Urban waste collection based on predicting the container fill level. *BioSystems*, **2019**, 186, 103962	2.9	11
304	Reliable simulation-optimization of traffic lights in a real-world city. *Applied Soft Computing Journal*, **2019**, 78, 697-711	7.5	16
303	A component-based study of energy consumption for sequential and parallel genetic algorithms. *Journal of Supercomputing*, **2019**, 75, 6194-6219	2.5	4
302	Optimal allocation of public parking spots in a smart city: problem characterisation and first algorithms. *Journal of Experimental and Theoretical Artificial Intelligence*, **2019**, 31, 575-597	2	10
301	Optimising Real-World Traffic Cycle Programs by Using Evolutionary Computation. *IEEE Access*, **2019**, 7, 43915-43932	3.5	6
300	Cellular Genetic Algorithms: Understanding the Behavior of Using Neighborhoods. *Applied Artificial Intelligence*, **2019**, 33, 863-880	2.3	4
299	Efficient anytime algorithms to solve the bi-objective Next Release Problem. *Journal of Systems and Software*, **2019**, 156, 217-231	3.3	7
298	JSDoop and TensorFlow.js: Volunteer Distributed Web Browser-Based Neural Network Training. *IEEE Access*, **2019**, 7, 158671-158684	3.5	3
297	Waste generation prediction under uncertainty in smart cities through deep neuroevolution. *Revista Facultad De Ingeniería*, **2019**, 128-138	1	4
296	Sustainable Road Traffic Using Evolutionary Algorithms **2019**, 361-380		4
295	A stop-and-start adaptive cellular genetic algorithm for mobility management of GSM-LTE cellular network users. *Expert Systems With Applications*, **2018**, 106, 290-304	7.8	7
294	A swarm algorithm for collaborative traffic in vehicular networks. *Vehicular Communications*, **2018**, 12, 127-137	5.7	12
293	A theoretical and empirical study of the trajectories of solutions on the grid of Systolic Genetic Search. *Information Sciences*, **2018**, 445-446, 97-117	7.7	4

292	Road map partitioning for routing by using a micro steady state evolutionary algorithm. *Engineering Applications of Artificial Intelligence*, **2018**, 71, 155-165	7.2	0
291	Green Swarm: Greener routes with bio-inspired techniques. *Applied Soft Computing Journal*, **2018**, 71, 952-963	7.5	7
290	Natural evolution tells us how to best make goods delivery **2018**,		1
289	Generating realistic urban traffic flows with evolutionary techniques. *Engineering Applications of Artificial Intelligence*, **2018**, 75, 36-47	7.2	10
288	An Intelligent Advisor for City Traffic Policies. *Lecture Notes in Computer Science*, **2018**, 383-393	0.9	
287	Designing an Efficient Self-adaptive Parallel Algorithm Using Math Oracles. *Lecture Notes on Data Engineering and Communications Technologies*, **2018**, 313-325	0.4	
286	How Can Metaheuristics Help Software Engineers?. *Lecture Notes in Computer Science*, **2018**, 89-105	0.9	2
285	Customer Segmentation Based on the Electricity Demand Signature: The Andalusian Case. *Energies*, **2018**, 11, 1788	3.1	2
284	An app performance optimization advisor for mobile device app marketplaces. *Sustainable Computing: Informatics and Systems*, **2018**, 19, 29-42	3	1
283	Parallel multi-objective metaheuristics for smart communications in vehicular networks. *Soft Computing*, **2017**, 21, 1949-1961	3.5	15
282	An improved problem aware local search algorithm for the DNA fragment assembly problem. *Soft Computing*, **2017**, 21, 1709-1720	3.5	4
281	A bi-population based scheme for an explicit exploration/exploitation trade-off in dynamic environments. *Journal of Experimental and Theoretical Artificial Intelligence*, **2017**, 29, 453-479	2	8
280	Solving optimization problems using a hybrid systolic search on GPU plus CPU. *Soft Computing*, **2017**, 21, 3227-3245	3.5	8
279	The Problem Aware Local Search algorithm: an efficient technique for permutation-based problems. *Soft Computing*, **2017**, 21, 5193-5206	3.5	3
278	Hybrid Algorithms Based on Integer Programming for the Search of Prioritized Test Data in Software Product Lines. *Lecture Notes in Computer Science*, **2017**, 3-19	0.9	2
277	Infrastructure Deployment in Vehicular Communication Networks Using a Parallel Multiobjective Evolutionary Algorithm. *International Journal of Intelligent Systems*, **2017**, 32, 801-829	8.4	15
276	Improving Diversity in Evolutionary Algorithms: New Best Solutions for Frequency Assignment. *IEEE Transactions on Evolutionary Computation*, **2017**, 21, 539-553	15.6	35
275	Computing new optimized routes for GPS navigators using evolutionary algorithms **2017**,		2

274	Speed-up of synchronous and asynchronous distributed Genetic Algorithms: A first common approach on multiprocessors **2017**,		2
273	Distributed Genetic Algorithms on Portable Devices for Smart Cities. *Lecture Notes in Computer Science*, **2017**, 51-62	0.9	4
272	Variable neighborhood search for the stochastic and dynamic vehicle routing problem. *Annals of Operations Research*, **2016**, 236, 425-461	3.2	37
271	Global memory schemes for dynamic optimization. *Natural Computing*, **2016**, 15, 319-333	1.3	12
270	Fine Tuning of Traffic in our Cities with Smart Panels **2016**,		3
269	Optimizing User Experience in Choosing Android Applications **2016**,		9
268	Smart Mobility by Optimizing the Traffic Lights: A New Tool for Traffic Control Centers. *Lecture Notes in Computer Science*, **2016**, 147-156	0.9	9
267	CTPATH: A Real World System to Enable Green Transportation by Optimizing Environmentaly Friendly Routing Paths. *Lecture Notes in Computer Science*, **2016**, 63-75	0.9	3
266	Efficiently finding the optimum number of clusters in a dataset with a new hybrid differential evolution algorithm: DELA. *Soft Computing*, **2016**, 20, 895-905	3.5	5
265	Evolutionary Computation for Software Product Line Testing: An Overview and Open Challenges. *Studies in Computational Intelligence*, **2016**, 59-87	0.8	3
264	Two hybrid wrapper-filter feature selection algorithms applied to high-dimensional microarray experiments. *Applied Soft Computing Journal*, **2016**, 38, 922-932	7.5	137
263	Light commodity devices for building vehicular ad hoc networks: An experimental study. *Ad Hoc Networks*, **2016**, 37, 499-511	4.8	16
262	Genetic Algorithms Running into Portable Devices: A First Approach. *Lecture Notes in Computer Science*, **2016**, 383-393	0.9	2
261	Intelligent Testing of Traffic Light Programs: Validation in Smart Mobility Scenarios. *Mathematical Problems in Engineering*, **2016**, 2016, 1-19	1.1	5
260	A Methodology for the Hybridization Based in Active Components: The Case of cGA and Scatter Search. *Computational Intelligence and Neuroscience*, **2016**, 2016, 8289237	3	1
259	Towards a dynamic modeling of the predator prey problem. *Applied Intelligence*, **2016**, 44, 755-770	4.9	3
258	A Systolic Genetic Search for reducing the execution cost of regression testing. *Applied Soft Computing Journal*, **2016**, 49, 1145-1161	7.5	8
257	Fitness Probability Distribution of Bit-Flip Mutation. *Evolutionary Computation*, **2015**, 23, 217-48	4.3	16

256	Systolic genetic search, a systolic computing-based metaheuristic. *Soft Computing*, **2015**, 19, 1779-1801	3.5	6
255	Parallel Multiobjective Evolutionary Algorithms **2015**, 1017-1031		10
254	Smart Mobility Policies with Evolutionary Algorithms **2015**,		6
253	A New Heuristic for Solving the Parking Assignment Problem. *Procedia Computer Science*, **2015**, 60, 312-321	1.1	19
252	An empirical time analysis of evolutionary algorithms as C programs. *Software - Practice and Experience*, **2015**, 45, 111-142	2.5	8
251	A parallel local search in CPU/GPU for scheduling independent tasks on large heterogeneous computing systems. *Journal of Supercomputing*, **2015**, 71, 648-672	2.5	18
250	Takeover Time in Evolutionary Dynamic Optimization: From theory to practice. *Applied Mathematics and Computation*, **2015**, 250, 94-104	2.7	3
249	Search based algorithms for test sequence generation in functional testing. *Information and Software Technology*, **2015**, 58, 419-432	3.4	16
248	Active components of metaheuristics in cellular genetic algorithms. *Soft Computing*, **2015**, 19, 1295-1309	3.5	2
247	Smart placement of RSU for vehicular networks using multiobjective evolutionary algorithms **2015**,		3
246	Hybrid PSO6 for hard continuous optimization. *Soft Computing*, **2015**, 19, 1843-1861	3.5	2
245	An Evolutionary Algorithm to Generate Real Urban Traffic Flows. *Lecture Notes in Computer Science*, **2015**, 332-343	0.9	5
244	Adapting Distributed Evolutionary Algorithms to Heterogeneous Hardware. *Lecture Notes in Computer Science*, **2015**, 103-125	0.9	1
243	Enhancing distributed EAs by a proactive strategy. *Cluster Computing*, **2014**, 17, 219-229	2.1	2
242	Red Swarm: Reducing travel times in smart cities by using bio-inspired algorithms. *Applied Soft Computing Journal*, **2014**, 24, 181-195	7.5	26
241	Empirical evaluation of distributed Differential Evolution on standard benchmarks. *Applied Mathematics and Computation*, **2014**, 236, 351-366	2.7	19
240	Systolic Genetic Search for Software Engineering: The Test Suite Minimization Case. *Lecture Notes in Computer Science*, **2014**, 678-689	0.9	3
239	A parallel evolutionary algorithm for prioritized pairwise testing of software product lines **2014**,		14

238	Eco-friendly reduction of travel times in european smart cities **2014**,		8
237	Enhancing parallel cooperative trajectory based metaheuristics with path relinking **2014**,		1
236	Comparative analysis of classical multi-objective evolutionary algorithms and seeding strategies for pairwise testing of Software Product Lines **2014**,		16
235	Optimising traffic lights with metaheuristics: Reduction of car emissions and consumption **2014**,		3
234	An improved trajectory-based hybrid metaheuristic applied to the noisy DNA Fragment Assembly Problem. *Information Sciences*, **2014**, 277, 273-283	7.7	9
233	Exact computation of the expectation surfaces for uniform crossover along with bit-flip mutation. *Theoretical Computer Science*, **2014**, 545, 76-93	1.1	8
232	Systolic neighborhood search on graphics processing units. *Soft Computing*, **2014**, 18, 125-142	3.5	3
231	Dealing with hardware heterogeneity: a new parallel search model. *Natural Computing*, **2013**, 12, 179-193	3.3	4
230	Elementary landscape decomposition of the 0-1 unconstrained quadratic optimization. *Journal of Heuristics*, **2013**, 19, 711-728	1.9	7
229	Fast energy-aware OLSR routing in VANETs by means of a parallel evolutionary algorithm. *Cluster Computing*, **2013**, 16, 435-450	2.1	40
228	Estimating software testing complexity. *Information and Software Technology*, **2013**, 55, 2125-2139	3.4	19
227	Multi-environmental cooperative parallel metaheuristics for solving dynamic optimization problems. *Journal of Supercomputing*, **2013**, 63, 836-853	2.5	11
226	Ant Colony Based Algorithms for Dynamic Optimization Problems. *Studies in Computational Intelligence*, **2013**, 189-210	0.8	5
225	Parallel metaheuristics: recent advances and new trends. *International Transactions in Operational Research*, **2013**, 20, 1-48	2.9	174
224	Metaheuristics for Dynamic Vehicle Routing. *Studies in Computational Intelligence*, **2013**, 265-289	0.8	5
223	Best practices in measuring algorithm performance for dynamic optimization problems. *Soft Computing*, **2013**, 17, 1005-1017	3.5	16
222	Optimal Cycle Program of Traffic Lights With Particle Swarm Optimization. *IEEE Transactions on Evolutionary Computation*, **2013**, 17, 823-839	15.6	105
221	Red Swarm **2013**,		2

220	Math oracles **2013**,		2
219	Micro-differential evolution with local search for high dimensional problems **2013**,		8
218	Takeover time in dynamic optimization problems **2013**,		1
217	Using theory to self-tune migration periods in distributed genetic algorithms **2013**,		3
216	Multi-objective Optimal Test Suite Computation for Software Product Line Pairwise Testing **2013**,		22
215	Problem understanding through landscape theory **2013**,		1
214	Quantitative Performance Measures for Dynamic Optimization Problems. *Studies in Computational Intelligence*, **2013**, 17-33	0.8	3
213	HydroCM: A Hybrid Parallel Search Model for Heterogeneous Platforms. *Studies in Computational Intelligence*, **2013**, 219-235	0.8	1
212	New Ideas in Parallel Metaheuristics on GPU: Systolic Genetic Search. *Natural Computing Series*, **2013**, 203-225	2.5	4
211	BIPOP: A New Algorithm with Explicit Exploration/Exploitation Control for Dynamic Optimization Problems. *Studies in Computational Intelligence*, **2013**, 171-191	0.8	3
210	Reducing Gas Emissions in Smart Cities by Using the Red Swarm Architecture. *Lecture Notes in Computer Science*, **2013**, 289-299	0.9	2
209	Migrants Selection and Replacement in Distributed Evolutionary Algorithms for Dynamic Optimization. *Advances in Intelligent Systems and Computing*, **2013**, 155-162	0.4	1
208	Swarm intelligence for traffic light scheduling: Application to real urban areas. *Engineering Applications of Artificial Intelligence*, **2012**, 25, 274-283	7.2	88
207	SCHEDULING IN HETEROGENEOUS COMPUTING AND GRID ENVIRONMENTS USING A PARALLEL CHC EVOLUTIONARY ALGORITHM. *Computational Intelligence*, **2012**, 28, 131-155	2.5	11
206	Parallel Swarm Intelligence for VANETs Optimization **2012**,		16
205	Parallel multi-swarm optimizer for gene selection in DNA microarrays. *Applied Intelligence*, **2012**, 37, 255-266	4.9	37
204	Evolutionary power-aware routing in VANETs using Monte-Carlo simulation **2012**,		6
203	An Efficient Stochastic Local Search for Heterogeneous Computing Scheduling **2012**,		3

202	Intelligent OLSR Routing Protocol Optimization for VANETs. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 1884-1894	6.8	116
201	Green OLSR in VANETs with differential evolution **2012**,		6
200	Multi-objective OLSR optimization for VANETs **2012**,		8
199	A Methodology for Comparing the Execution Time of Metaheuristics Running on Different Hardware. *Lecture Notes in Computer Science*, **2012**, 1-12	0.9	3
198	Evolutionary algorithms for the multi-objective test data generation problem. *Software - Practice and Experience*, **2012**, 42, 1331-1362	2.5	44
197	Designing heterogeneous distributed GAs by efficiently self-adapting the migration period. *Applied Intelligence*, **2012**, 36, 800-808	4.9	9
196	Multi-objective optimization using metaheuristics: non-standard algorithms. *International Transactions in Operational Research*, **2012**, 19, 283-305	2.9	45
195	Autocorrelation measures for the quadratic assignment problem. *Applied Mathematics Letters*, **2012**, 25, 698-705	3.5	27
194	A parallel micro evolutionary algorithm for heterogeneous computing and grid scheduling. *Applied Soft Computing Journal*, **2012**, 12, 626-639	7.5	43
193	A comparative study between dynamic adapted PSO and VNS for the vehicle routing problem with dynamic requests. *Applied Soft Computing Journal*, **2012**, 12, 1426-1439	7.5	79
192	Local Optima Networks, Landscape Autocorrelation and Heuristic Search Performance. *Lecture Notes in Computer Science*, **2012**, 337-347	0.9	20
191	Why six informants is optimal in PSO **2012**,		6
190	Evolutionary algorithm for prioritized pairwise test data generation **2012**,		16
189	Exact computation of the expectation curves for uniform crossover **2012**,		1
188	Towards the Design of Systolic Genetic Search **2012**,		9
187	Robust solutions for the software project scheduling problem: a preliminary analysis. *International Journal of Metaheuristics*, **2012**, 2, 56	0.8	7
186	Ant Algorithm for Optimal Sensor Deployment. *Studies in Computational Intelligence*, **2012**, 21-29	0.8	22
185	Exploring the Accuracy of a Parallel Cooperative Model for Trajectory-Based Metaheuristics. *Lecture Notes in Computer Science*, **2012**, 319-326	0.9	1

184	Systolic Optimization on GPU Platforms. *Lecture Notes in Computer Science*, **2012**, 375-383	0.9	4
183	On the Application of SAT Solvers to the Test Suite Minimization Problem. *Lecture Notes in Computer Science*, **2012**, 45-59	0.9	8
182	Influence of the Migration Period in Parallel Distributed GAs for Dynamic Optimization. *Lecture Notes in Computer Science*, **2012**, 343-348	0.9	1
181	Benchmarking CHC on a New Application: The Software Project Scheduling Problem. *Lecture Notes in Computer Science*, **2012**, 448-457	0.9	
180	Exact Computation of the Fitness-Distance Correlation for Pseudoboolean Functions with One Global Optimum. *Lecture Notes in Computer Science*, **2012**, 111-123	0.9	3
179	Analyzing the Behaviour of Population-Based Algorithms Using Rayleigh Distribution. *Lecture Notes in Computer Science*, **2012**, 417-427	0.9	1
178	Performance analysis of optimized VANET protocols in real world tests **2011**,		6
177	Parallel Genetic Algorithms. *Studies in Computational Intelligence*, **2011**,	0.8	75
176	An efficient routing protocol for green communications in vehicular ad-hoc networks **2011**,		10
175	Optimizing OLSR in VANETS with differential evolution **2011**,		4
174	Using multi-objective metaheuristics to solve the software project scheduling problem **2011**,		25
173	Distributed evolutionary algorithms with adaptive migration period **2011**,		7
172	Parallel Models for Genetic Algorithms. *Studies in Computational Intelligence*, **2011**, 15-30	0.8	7
171	Elementary landscape decomposition of the frequency assignment problem. *Theoretical Computer Science*, **2011**, 412, 6002-6019	1.1	7
170	A study of the bi-objective next release problem. *Empirical Software Engineering*, **2011**, 16, 29-60	3.3	49
169	Restart particle swarm optimization with velocity modulation: a scalability test. *Soft Computing*, **2011**, 15, 2221-2232	3.5	41
168	Optimization algorithms for large-scale real-world instances of the frequency assignment problem. *Soft Computing*, **2011**, 15, 975-990	3.5	25
167	Time analysis of standard evolutionary algorithms as software programs **2011**,		4

166	Enhancing the urban road traffic with Swarm Intelligence: A case study of Cdoba city downtown **2011**,		3
165	An efficient local improvement operator for the multi-objective wireless sensor network deployment problem. *Engineering Optimization*, **2011**, 43, 1115-1139	2	3
164	Multi-environmental Cooperative Parallel Metaheuristics for Solving Dynamic Optimization Problems **2011**,		8
163	Location discovery in Wireless Sensor Networks using metaheuristics. *Applied Soft Computing Journal*, **2011**, 11, 1223-1240	7.5	32
162	Using landscape measures for the online tuning of heterogeneous distributed gas **2011**,		2
161	Exact computation of the expectation curves of the bit-flip mutation using landscapes theory **2011**,		8
160	Bitwise operations for GPU implementation of genetic algorithms **2011**,		9
159	A methodology to find the elementary landscape decomposition of combinatorial optimization problems. *Evolutionary Computation*, **2011**, 19, 597-637	4.3	24
158	Empirical computation of the quasi-optimal number of informants in particle swarm optimization **2011**,		5
157	Flexible Variable Neighborhood Search in Dynamic Vehicle Routing. *Lecture Notes in Computer Science*, **2011**, 344-353	0.9	6
156	Comparing Metaheuristic Algorithms for Error Detection in Java Programs. *Lecture Notes in Computer Science*, **2011**, 82-96	0.9	7
155	Elementary Landscape Decomposition of the Test Suite Minimization Problem. *Lecture Notes in Computer Science*, **2011**, 48-63	0.9	6
154	Distribution of Computational Effort in Parallel MOEA/D. *Lecture Notes in Computer Science*, **2011**, 488-502	0.9	12
153	Benchmark Generator for Software Testers. *International Federation for Information Processing*, **2011**, 378-388		1
152	Multi-Swarm Optimization for Dynamic Combinatorial Problems: A Case Study on Dynamic Vehicle Routing Problem. *Lecture Notes in Computer Science*, **2010**, 227-238	0.9	18
151	On the Velocity Update in Multi-Objective Particle Swarm Optimizers. *Studies in Computational Intelligence*, **2010**, 45-62	0.8	2
150	The jMetal framework for multi-objective optimization: Design and architecture **2010**,		160
149	Metaheuristic assemblers of DNA strands: Noiseless and noisy cases **2010**,		13

148	CHC and SA applied to wind energy optimization using real data **2010**,		12
147	Automatic Parameter Tuning with Metaheuristics of the AODV Routing Protocol for Vehicular Ad-Hoc Networks. *Lecture Notes in Computer Science*, **2010**, 21-30	0.9	24
146	Selection pressure and takeover time of distributed evolutionary algorithms **2010**,		4
145	Today/future importance analysis **2010**,		15
144	Elementary landscape decomposition of the quadratic assignment problem **2010**,		8
143	Statistical Study about Existing OWL Ontologies from a Significant Sample as Previous Step for their Alignment **2010**,		1
142	Cellular Genetic Algorithm on Graphic Processing Units. *Studies in Computational Intelligence*, **2010**, 223-232	0.2	17
141	ABC, a new performance tool for algorithms solving dynamic optimization problems **2010**,		11
140	Evolutionary algorithms for solving the automatic cell planning problem: a survey. *Engineering Optimization*, **2010**, 42, 671-690	2	16
139	A multi-GPU implementation of a Cellular Genetic Algorithm **2010**,		19
138	Elementary landscapes of frequency assignment problems **2010**,		4
137	Automatic tuning of communication protocols for vehicular ad hoc networks using metaheuristics. *Engineering Applications of Artificial Intelligence*, **2010**, 23, 795-805	7.2	32
136	Algorithm::Evolutionary, a flexible Perl module for evolutionary computation. *Soft Computing*, **2010** , 14, 1091-1109	3.5	17
135	Heterogeneous computing scheduling with evolutionary algorithms. *Soft Computing*, **2010**, 15, 685-701	3.5	30
134	. *IEEE Transactions on Evolutionary Computation*, **2010**, 14, 618-635	15.6	83
133	Convergence speed in multi-objective metaheuristics: Efficiency criteria and empirical study. *International Journal for Numerical Methods in Engineering*, **2010**, 84, 1344-1375	2.4	24
132	Measuring Fitness Degradation in Dynamic Optimization Problems. *Lecture Notes in Computer Science*, **2010**, 572-581	0.9	17
131	Hybrid ACO Algorithm for the GPS Surveying Problem. *Lecture Notes in Computer Science*, **2010**, 318-325	0.9	7

130	A Scatter Search Approach for Solving the Automatic Cell Planning Problem. *Lecture Notes in Computer Science*, **2010**, 334-342	0.9	1
129	Iterated Local Search for de Novo Genomic Sequencing. *Lecture Notes in Computer Science*, **2010**, 428-436	0.9	1
128	A New Parallel Cooperative Model for Trajectory Based Metaheuristics. *Advances in Intelligent and Soft Computing*, **2010**, 559-567		3
127	Distributed Approach for Solving Time-Dependent Problems in Multimodal Transport Networks. *Advances in Operations Research*, **2009**, 2009, 1-15	1.3	13
126	A Study of the Multi-objective Next Release Problem **2009**,		35
125	An asynchronous parallel implementation of a cellular genetic algorithm for combinatorial optimization **2009**,		6
124	Dealing with inheritance in OO evolutionary testing **2009**,		4
123	MOCell: A cellular genetic algorithm for multiobjective optimization. *International Journal of Intelligent Systems*, **2009**, 24, 726-746	8.4	176
122	Sensitivity and specificity based multiobjective approach for feature selection: Application to cancer diagnosis. *Information Processing Letters*, **2009**, 109, 887-896	0.8	72
121	Benchmarking a Wide Spectrum of Metaheuristic Techniques for the Radio Network Design Problem. *IEEE Transactions on Evolutionary Computation*, **2009**, 13, 1133-1150	15.6	23
120	Simulated Annealing for Optimization of Wind Farm Annual Profit **2009**,		32
119	Multi-Objective Particle Swarm Optimizers: An Experimental Comparison. *Lecture Notes in Computer Science*, **2009**, 495-509	0.9	73
118	Hybrid DE-SVM Approach for Feature Selection: Application to Gene Expression Datasets **2009**,		4
117	Experimental Study of GA-Based Schedulers in Dynamic Distributed Computing Environments **2009** , 423-441		3
116	Evaluating New Advanced Multiobjective Metaheuristics **2009**, 63-82		
115	Metaheuristics in Bioinformatics: DNA Sequencing and Reconstruction **2009**, 265-286		2
114	Analyzing Parallel Cellular Genetic Algorithms **2009**, 49-62		1
113	Canonical Metaheuristics for Dynamic Optimization Problems **2009**, 83-100		1

112	Optimal Location of Antennas in Telecommunication Networks **2009**, 287-307		
111	Greedy Seeding and Problem-Specific Operators for GAs Solution of Strip Packing Problems **2009**, 385-405		
110	Remote Optimization Service **2009**, 443-456		
109	Generating Automatic Projections by Means of Genetic Programming **2009**, 1-14		
108	On the Effect of the Steady-State Selection Scheme in Multi-Objective Genetic Algorithms. *Lecture Notes in Computer Science*, **2009**, 183-197	0.9	35
107	Optimizing the DFCN Broadcast Protocol with a Parallel Cooperative Strategy of Multi-Objective Evolutionary Algorithms. *Lecture Notes in Computer Science*, **2009**, 305-319	0.9	6
106	Location Discovery in Wireless Sensor Networks Using a Two-Stage Simulated Annealing. *Lecture Notes in Computer Science*, **2009**, 11-20	0.9	
105	Impact of Frequency and Severity on Non-Stationary Optimization Problems. *Lecture Notes in Computer Science*, **2009**, 755-761	0.9	
104	Accuracy and Efficiency in Simulating VANETs. *Communications in Computer and Information Science* , **2008**, 568-578	0.3	7
103	AbYSS: Adapting Scatter Search to Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2008**, 12, 439-457	15.6	230
102	Hybrid Ant Colony System to Solve a 2-Dimensional Strip Packing Problem **2008**,		1
101	Wireless Sensor Network Deployment Using a Memetic Simulated Annealing **2008**,		11
100	Variable Neighborhood Search as Genetic Algorithm Operator for DNA Fragment Assembling Problem **2008**,		5
99	. *Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on*, **2008**,		40
98	Finding liveness errors with ACO **2008**,		7
97	Metaheuristics for solving a real-world frequency assignment problem in GSM networks **2008**,		20
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