

Miguel A Vega-Rodriguez

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

314
papers

1,809
citations

20
h-index

30
g-index

356
ext. papers

2,170
ext. citations

3.1
avg, IF

5.32
L-index

#	Paper	IF	Citations
314	A multi-objective optimization approach for the identification of cancer biomarkers from RNA-seq data. <i>Expert Systems With Applications</i> , 2022 , 193, 116480	7.8	1
313	Computational design of phage cocktails based on phage-bacteria infection networks.. <i>Computers in Biology and Medicine</i> , 2022 , 142, 105186	7	1
312	Exploiting multi-level parallel metaheuristics and heterogeneous computing to boost phylogenetics. <i>Future Generation Computer Systems</i> , 2022 , 127, 208-224	7.5	0
311	Decomposition-based multi-objective optimization approach for PPI network alignment. <i>Knowledge-Based Systems</i> , 2022 , 243, 108527	7.3	0
310	A multi-objective memetic algorithm for query-oriented text summarization: Medicine texts as a case study. <i>Expert Systems With Applications</i> , 2022 , 198, 116769	7.8	0
309	PhageCocktail: An R package to design phage cocktails from experimental phage-bacteria infection networks.. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 221, 106865	6.9	
308	Analysis and comparison of mobility management strategies in public land mobile networks from a multiobjective perspective. <i>Journal of Network and Computer Applications</i> , 2021 , 177, 102967	7.9	0
307	The impact of term-weighting schemes and similarity measures on extractive multi-document text summarization. <i>Expert Systems With Applications</i> , 2021 , 169, 114510	7.8	3
306	Predicting leaf nitrogen content in olive trees using hyperspectral data for precision agriculture. <i>Precision Agriculture</i> , 2021 , 22, 1-21	5.6	7
305	A stage-based approach to allocating water quality monitoring stations based on the WorldQual model: The Jubba River as a case study. <i>Science of the Total Environment</i> , 2021 , 762, 144162	10.2	2
304	Addressing topic modeling with a multi-objective optimization approach based on swarm intelligence. <i>Knowledge-Based Systems</i> , 2021 , 225, 107113	7.3	2
303	A metaheuristic multi-objective optimization method for dynamical network biomarker identification as pre-disease stage signal. <i>Applied Soft Computing Journal</i> , 2021 , 109, 107544	7.5	3
302	Sentiment-oriented query-focused text summarization addressed with a multi-objective optimization approach. <i>Applied Soft Computing Journal</i> , 2021 , 113, 107915	7.5	1
301	Algorithms for Computational Biology: Sixth Edition. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 1-1	3	
300	Algorithms for Computational Biology: Seventh Edition. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 2059-2060	3	
299	Algorithms for Computational Biology: Fifth Edition. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020 , 17, 1-1	3	
298	A decomposition-based multi-objective optimization approach for extractive multi-document text summarization. <i>Applied Soft Computing Journal</i> , 2020 , 91, 106231	7.5	13

297	GPU acceleration of Fitch's parsimony on protein data: from Kepler to Turing. <i>Journal of Supercomputing</i> , 2020 , 76, 9827-9853	2.5	1
296	Experimental analysis of multiple criteria for extractive multi-document text summarization. <i>Expert Systems With Applications</i> , 2020 , 140, 112904	7.8	11
295	Preface. <i>Journal of Computational Biology</i> , 2019 , 26, 891-892	1.7	
294	Identifying key players in large social networks by using a multi-objective artificial bee colony optimization approach. <i>Applied Soft Computing Journal</i> , 2019 , 77, 176-187	7.5	3
293	Theory and practice of natural computing: fifth edition. <i>Soft Computing</i> , 2019 , 23, 1421-1421	3.5	
292	Comparative assessment of GPGPU technologies to accelerate objective functions: A case study on parsimony. <i>Journal of Parallel and Distributed Computing</i> , 2019 , 126, 67-81	4.4	3
291	Multi-objective protein encoding: Redefinition of the problem, new problem-aware operators, and approach based on Variable Neighborhood Search. <i>Information Sciences</i> , 2019 , 500, 173-189	7.7	0
290	Algorithms for Computational Biology: Third Edition. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019 , 16, 701-702	3	
289	Parallel computing in bioinformatics: a view from high-performance, heterogeneous, and cloud computing. <i>Journal of Supercomputing</i> , 2019 , 75, 3369-3373	2.5	3
288	A multiobjective adaptive approach for the inference of evolutionary relationships in protein-based scenarios. <i>Information Sciences</i> , 2019 , 485, 281-300	7.7	4
287	Comparison of automatic methods for reducing the Pareto front to a single solution applied to multi-document text summarization. <i>Knowledge-Based Systems</i> , 2019 , 174, 123-136	7.3	10
286	. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 156-169	15.6	6
285	Comparative Analysis of Intra-Algorithm Parallel Multiobjective Evolutionary Algorithms: Taxonomy Implications on Bioinformatics Scenarios. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2019 , 30, 63-78	3.7	3
284	Multi-objective memetic meta-heuristic algorithm for encoding the same protein with multiple genes. <i>Expert Systems With Applications</i> , 2019 , 136, 83-93	7.8	2
283	Parallelizing a multi-objective optimization approach for extractive multi-document text summarization. <i>Journal of Parallel and Distributed Computing</i> , 2019 , 134, 166-179	4.4	5
282	Analysis of MOEA/D Approaches for Inferring Ancestral Relationships. <i>Lecture Notes in Computer Science</i> , 2019 , 168-180	0.9	
281	An Indicator-based Multi-Objective Optimization Approach Applied to Extractive Multi-Document Text Summarization. <i>IEEE Latin America Transactions</i> , 2019 , 17, 1291-1299	0.7	0
280	Multi-Objective Artificial Bee Colony for designing multiple genes encoding the same protein. <i>Applied Soft Computing Journal</i> , 2019 , 74, 90-98	7.5	6

279	Modeling low-resolution galaxy spectral energy distribution with evolutionary algorithms. <i>Neurocomputing</i> , 2019 , 326-327, 28-38	5.4	1
278	A Parallel Multiobjective Metaheuristic for Multiple Sequence Alignment. <i>Journal of Computational Biology</i> , 2018 , 25, 1009-1022	1.7	2
277	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
276	A Characteristic-Based Framework for Multiple Sequence Aligners. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 41-51	10.2	9
275	Parallelism in computational biology: A view from diverse high-performance computing applications. <i>International Journal of High Performance Computing Applications</i> , 2018 , 32, 317-320	1.8	3
274	Multiobjective characteristic-based framework for very-large multiple sequence alignment. <i>Applied Soft Computing Journal</i> , 2018 , 69, 719-736	7.5	0
273	Automatic selection of a single solution from the Pareto front to identify key players in social networks. <i>Knowledge-Based Systems</i> , 2018 , 160, 228-236	7.3	8
272	Optimization of resources in parallel systems using a multiobjective artificial bee colony algorithm. <i>Journal of Supercomputing</i> , 2018 , 74, 4019-4036	2.5	4
271	Multiobjective Frog-Leaping Optimization for the Study of Ancestral Relationships in Protein Data. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 879-893	15.6	4
270	Extractive multi-document text summarization using a multi-objective artificial bee colony optimization approach. <i>Knowledge-Based Systems</i> , 2018 , 159, 1-8	7.3	37
269	Preface to the Special Issue: Parallel Computing in Computational Biology: A Technological Point of View. <i>Journal of Computational Biology</i> , 2018 , 25, 837-840	1.7	1
268	Multi-Objective Artificial Bee Colony algorithm applied to the bi-objective orienteering problem. <i>Knowledge-Based Systems</i> , 2018 , 154, 93-101	7.3	30
267	Swarm intelligence for optimizing the parameters of multiple sequence aligners. <i>Swarm and Evolutionary Computation</i> , 2018 , 42, 16-28	9.8	4
266	Solving the multi-objective path planning problem in mobile robotics with a firefly-based approach. <i>Soft Computing</i> , 2017 , 21, 949-964	3.5	50
265	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
264	Accelerating the phylogenetic parsimony function on heterogeneous systems. <i>Concurrency Computation Practice and Experience</i> , 2017 , 29, e4046	1.4	2
263	Asynchronous Non-Generational Model to Parallelize Metaheuristics: A Bioinformatics Case Study. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2017 , 28, 1825-1838	3.7	6
262	Hardware coprocessors for high-performance symmetric cryptography. <i>Journal of Supercomputing</i> , 2017 , 73, 2456-2482	2.5	3

261	A fine-grained parallel approach for the registration areas optimization. <i>Logic Journal of the IGPL</i> , 2017 , 25, 862-876	1	
260	Using biological knowledge for multiple sequence aligner decision making. <i>Information Sciences</i> , 2017 , 420, 278-298	7.7	1
259	A Multi-Objective Artificial Bee Colony-based optimization approach to design water quality monitoring networks in river basins. <i>Journal of Cleaner Production</i> , 2017 , 166, 579-589	10.3	30
258	Reducing Alignment Time Complexity of Ultra-Large Sets of Sequences. <i>Journal of Computational Biology</i> , 2017 , 24, 1144-1154	1.7	0
257	Using mixed mode programming to parallelize an indicator-based evolutionary algorithm for inferring multiobjective phylogenetic histories. <i>Soft Computing</i> , 2017 , 21, 5601-5620	3.5	3
256	Parallel evaluation of nonseparable functions by evolutionary algorithms on GPU. <i>Concurrency Computation Practice and Experience</i> , 2017 , 29, e3949	1.4	1
255	NeuroK: A Collaborative e-Learning Platform based on Pedagogical Principles from Neuroscience 2017 ,		3
254	Solving the Location Area Problem by Using Differential Evolution. <i>Journal of Communications Software and Systems</i> , 2017 , 4, 131	0.8	2
253	Improving Multiobjective Phylogenetic Searches by Using a Parallel (varepsilon)-Dominance Based Adaptation of the Firefly Algorithm. <i>Lecture Notes in Computer Science</i> , 2017 , 384-396	0.9	
252	Parallel Multi-objective Optimization for High-Order Epistasis Detection. <i>Lecture Notes in Computer Science</i> , 2017 , 523-532	0.9	1
251	An Efficient Way of Assigning Paging Areas by Using Mobility Models. <i>IEEE/ACM Transactions on Networking</i> , 2016 , 24, 3726-3739	3.8	5
250	Bin recycling strategy for improving the histogram precision on GPU. <i>Computer Physics Communications</i> , 2016 , 204, 55-63	4.2	3
249	Performance evaluation of dominance-based and indicator-based multiobjective approaches for phylogenetic inference. <i>Information Sciences</i> , 2016 , 330, 293-314	7.7	14
248	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
247	Hybrid multiobjective artificial bee colony for multiple sequence alignment. <i>Applied Soft Computing Journal</i> , 2016 , 41, 157-168	7.5	31
246	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 499-514	15.6	31
245	Bin Recycling Strategy for an Accuracy-Aware Implementation of Two-Point Angular Correlation Function on GPU. <i>Lecture Notes in Computer Science</i> , 2016 , 503-511	0.9	
244	Applying the MOVNS (multi-objective variable neighborhood search) algorithm to solve the path planning problem in mobile robotics. <i>Expert Systems With Applications</i> , 2016 , 58, 20-35	7.8	32

243	Fattened backfilling: An improved strategy for job scheduling in parallel systems. <i>Journal of Parallel and Distributed Computing</i> , 2016 , 97, 69-77	4.4	11
242	Multiobjective optimization algorithms for motif discovery in DNA sequences. <i>Genetic Programming and Evolvable Machines</i> , 2015 , 16, 167-209	2	3
241	On the design of shared memory approaches to parallelize a multiobjective bee-inspired proposal for phylogenetic reconstruction. <i>Information Sciences</i> , 2015 , 324, 163-185	7.7	7
240	Multiobjective Small-World Optimization for Energy Saving in Grid Environments. <i>Computer Journal</i> , 2015 , 58, 432-447	1.3	2
239	MOSFLA-MRPP: Multi-Objective Shuffled Frog-Leaping Algorithm applied to Mobile Robot Path Planning. <i>Engineering Applications of Artificial Intelligence</i> , 2015 , 44, 123-136	7.2	36
238	A Comparative Analysis of Adaptive Solutions for Grid Environments. <i>International Journal of Parallel Programming</i> , 2015 , 43, 786-811	1.5	
237	A multiobjective study of the Gaussian cluster paging in the Reporting Cells strategy. <i>Applied Soft Computing Journal</i> , 2015 , 28, 332-344	7.5	4
236	A Comparison Exercise on Parallel Evaluation of Rosenbrock Function 2015 ,		1
235	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
234	Multi-objective energy optimization in grid systems from a brain storming strategy. <i>Soft Computing</i> , 2015 , 19, 3159-3172	3.5	13
233	Parallel Multiobjective Metaheuristics for Inferring Phylogenies on Multicore Clusters. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015 , 26, 1678-1692	3.7	12
232	Embedded intelligence for fast QoS-based vertical handoff in heterogeneous wireless access networks. <i>Pervasive and Mobile Computing</i> , 2015 , 19, 141-155	3.5	21
231	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
230	A Comparative Study of Parallel RANSAC Implementations in 3D Space. <i>International Journal of Parallel Programming</i> , 2015 , 43, 703-720	1.5	5
229	Intelligent self-adaptive resources selection for grid applications. <i>Concurrency Computation Practice and Experience</i> , 2015 , 27, 3539-3560	1.4	1
228	Performance and energy aware scheduling simulator for HPC: evaluating different resource selection methods. <i>Concurrency Computation Practice and Experience</i> , 2015 , 27, 5436-5459	1.4	5
227	Particle Swarm Optimizer with Finite Velocity of Information Transmission. <i>Lecture Notes in Computer Science</i> , 2015 , 157-169	0.9	
226	Parallel H4MSA for Multiple Sequence Alignment 2015 ,		4

225	Multiobjective swarm intelligence for the traffic grooming problem. <i>Computational Optimization and Applications</i> , 2015 , 60, 479-511	1.4	1
224	Optimizing the mobility management task in networks of four world capital cities. <i>Journal of Network and Computer Applications</i> , 2015 , 51, 18-28	7.9	10
223	A hybrid approach to parallelize a fast non-dominated sorting genetic algorithm for phylogenetic inference. <i>Concurrency Computation Practice and Experience</i> , 2015 , 27, 702-734	1.4	12
222	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
221	Parallelizing NSGAI for Accelerating the Registration Areas Optimization in Mobile Communication Networks. <i>Lecture Notes in Computer Science</i> , 2015 , 620-631	0.9	1
220	Studying the Geographical Cluster Paging with Delay Constraint in Registration Areas with the Algorithm NSGAI. <i>Lecture Notes in Computer Science</i> , 2015 , 103-114	0.9	
219	On the use of multiobjective optimization for solving the Location Areas strategy with different paging procedures in a realistic mobile network. <i>Applied Soft Computing Journal</i> , 2014 , 18, 146-157	7.5	8
218	A self-adaptive resources selection model through a small-world based heuristic. <i>Journal of Supercomputing</i> , 2014 , 68, 1441-1461	2.5	
217	The software project scheduling problem: A scalability analysis of multi-objective metaheuristics. <i>Applied Soft Computing Journal</i> , 2014 , 15, 136-148	7.5	38
216	Performance assessment of multiobjective approaches in optical Traffic Grooming. <i>Journal of Network and Computer Applications</i> , 2014 , 41, 319-350	7.9	1
215	GPU-based shear-shear correlation calculation. <i>Computer Physics Communications</i> , 2014 , 185, 11-18	4.2	6
214	Hardware security platform for multicast communications. <i>Journal of Systems Architecture</i> , 2014 , 60, 11-21	5.5	4
213	Self-adaptivity for grid applications. An Efficient Resources Selection model based on evolutionary computation algorithms. <i>Parallel Computing</i> , 2014 , 40, 345-361	1	1
212	Performance and precision of histogram calculation on GPUs: Cosmological analysis as a case study. <i>Computer Physics Communications</i> , 2014 , 185, 2558-2565	4.2	5
211	Solving the location areas management problem with multi-objective evolutionary strategies. <i>Wireless Networks</i> , 2014 , 20, 1909-1924	2.5	5
210	A multiobjective approach based on the behavior of fireflies to generate reliable DNA sequences for molecular computing. <i>Applied Mathematics and Computation</i> , 2014 , 227, 291-308	2.7	8
209	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
208	A service robot for monitoring elderly people in the context of Ambient Assisted Living. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2014 , 6, 595-621	2.2	13

207	Evolutionary team based on different metaheuristics for solving a real-world problem in the telecommunication domain. <i>Engineering Computations</i> , 2014 , 31, 1550-1581	1.4	
206	A COMPARATIVE STUDY OF SOFTWARE FILTERS APPLIED AS A PREVIOUS STEP OF THE ICP ALGORITHM IN ROBOT LOCATION. <i>Journal of Circuits, Systems and Computers</i> , 2014 , 23, 1450118	0.9	1
205	Studying the Reporting Cells strategy in a realistic mobile environment 2014 ,		1
204	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
203	A Trajectory-Based Heuristic to Solve a Three-Objective Optimization Problem for Wireless Sensor Network Deployment. <i>Lecture Notes in Computer Science</i> , 2014 , 27-38	0.9	2
202	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	
201	Swarm approach based on gravity for optimizing energy savings in grid systems. <i>Journal of Heuristics</i> , 2014 , 20, 617-641	1.9	
200	Cost optimization based on brain storming for grid scheduling 2014 ,		6
199	A comparative study of parallel software SURF implementations. <i>Concurrency Computation Practice and Experience</i> , 2014 , 26, 2758-2771	1.4	2
198	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
197	DNA strand generation for DNA computing by using a multi-objective differential evolution algorithm. <i>BioSystems</i> , 2014 , 116, 49-64	1.9	19
196	Convergence analysis of some multiobjective evolutionary algorithms when discovering motifs. <i>Soft Computing</i> , 2014 , 18, 853-869	3.5	4
195	Gene variants and haplotypes modifying transcription factor binding sites in the human cyclooxygenase 1 and 2 (PTGS1 and PTGS2) genes. <i>Current Drug Metabolism</i> , 2014 , 15, 182-95	3.5	19
194	Non-dominated Sorting and a Novel Formulation in the Reporting Cells Planning. <i>Lecture Notes in Computer Science</i> , 2014 , 285-295	0.9	1
193	Inferring Multiobjective Phylogenetic Hypotheses by Using a Parallel Indicator-Based Evolutionary Algorithm. <i>Lecture Notes in Computer Science</i> , 2014 , 205-217	0.9	3
192	A Strength Pareto Approach to Solve the Reporting Cells Planning Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 212-223	0.9	
191	A Strength Pareto Approach and a Novel Formulation in the Reporting Cells Planning. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 1-10	0.4	
190	Metaheuristics for Modelling Low-Resolution Galaxy Spectral Energy Distribution. <i>Lecture Notes in Computer Science</i> , 2014 , 490-501	0.9	

189	Studying the Reporting Cells Planning with the Non-dominated Sorting Genetic Algorithm II. <i>Lecture Notes in Computer Science</i> , 2014 , 63-74	0.9	
188	. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 457-473	15.6	21
187	A new Multiobjective Artificial Bee Colony algorithm to solve a real-world frequency assignment problem. <i>Neural Computing and Applications</i> , 2013 , 22, 1447-1459	4.8	21
186	MOEA/D for traffic grooming in WDM optical networks 2013 ,		1
185	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
184	Applying a multiobjective metaheuristic inspired by honey bees to phylogenetic inference. <i>BioSystems</i> , 2013 , 114, 39-55	1.9	19
183	Distributed and asynchronous solver for large CPU intensive problems. <i>Applied Soft Computing Journal</i> , 2013 , 13, 2547-2556	7.5	4
182	A Multiobjective Proposal Based on the Firefly Algorithm for Inferring Phylogenies. <i>Lecture Notes in Computer Science</i> , 2013 , 141-152	0.9	7
181	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
180	A Multi-objective Proposal Based on Firefly Behaviour for Green Scheduling in Grid Systems. <i>Lecture Notes in Computer Science</i> , 2013 , 70-79	0.9	1
179	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
178	A parallel cooperative team of multiobjective evolutionary algorithms for motif discovery. <i>Journal of Supercomputing</i> , 2013 , 66, 1576-1612	2.5	2
177	Analysing the scalability of multiobjective evolutionary algorithms when solving the motif discovery problem. <i>Journal of Global Optimization</i> , 2013 , 57, 467-497	1.5	3
176	A multiobjective swarm intelligence approach based on artificial bee colony for reliable DNA sequence design. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 2045-2057	7.2	25
175	Meta-schedulers for grid computing based on multi-objective swarm algorithms. <i>Applied Soft Computing Journal</i> , 2013 , 13, 1567-1582	7.5	9
174	Comparing multiobjective swarm intelligence metaheuristics for DNA motif discovery. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 314-326	7.2	10
173	Swarm optimisation algorithms applied to large balanced communication networks. <i>Journal of Network and Computer Applications</i> , 2013 , 36, 504-522	7.9	6
172	Designing a novel hybrid swarm based multiobjective evolutionary algorithm for finding DNA motifs 2013 ,		1

171	A comparative study on distance methods applied to a multiobjective firefly algorithm for phylogenetic inference 2013 ,		3
170	A parallel evolutionary approach to solve the relay node placement problem in wireless sensor networks 2013 ,		11
169	LOW POWER CONSUMPTION SECURITY PLATFORM FOR INDUSTRIAL COMMUNICATIONS USING AN MPSOC. <i>Journal of Circuits, Systems and Computers</i> , 2013 , 22, 1350029	0.9	2
168	Stellarator optimization under several criteria using metaheuristics. <i>Plasma Physics and Controlled Fusion</i> , 2013 , 55, 014003	2	5
167	Parallelizing a hybrid multiobjective differential evolution for identifying cis-regulatory elements 2013 ,		1
166	Hybrid Multiobjective Artificial Bee Colony with Differential Evolution Applied to Motif Finding. <i>Lecture Notes in Computer Science</i> , 2013 , 68-79	0.9	2
165	Solving the Location Areas Scheme in Realistic Networks by Using a Multi-objective Algorithm. <i>Lecture Notes in Computer Science</i> , 2013 , 72-81	0.9	2
164	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
163	Simulated Annealing for Real-Time Vertical-Handoff in Wireless Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 198-209	0.9	4
162	Concurrent CPU-GPU Code Optimization: The Two-Point Angular Correlation Function as Case Study. <i>Lecture Notes in Computer Science</i> , 2013 , 209-218	0.9	2
161	A Trajectory Algorithm to Solve the Relay Node Placement Problem in Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 145-156	0.9	1
160	A Multiobjective SFLA-Based Technique for Predicting Motifs in DNA Sequences. <i>Lecture Notes in Computer Science</i> , 2013 , 235-242	0.9	1
159	Metaoptimization of Differential Evolution by Using Productions of Low-Number of Cycles: The Fitting of Rotation Curves of Spiral Galaxies as Case Study. <i>Lecture Notes in Computer Science</i> , 2013 , 356-385	0.9	5
158	The Artificial Bee Colony Algorithm Applied to a Self-adaptive Grid Resources Selection Model. <i>Lecture Notes in Computer Science</i> , 2013 , 366-375	0.9	
157	Optimizing the Location Areas Planning in the SUMATRA Network with an Adaptation of the SPEA2 Algorithm. <i>Lecture Notes in Computer Science</i> , 2013 , 243-250	0.9	
156	A New Version of the Multiobjective Artificial Bee Colony Algorithm for Optimizing the Location Areas Planning in a Realistic Network. <i>Lecture Notes in Computer Science</i> , 2013 , 19-30	0.9	
155	A Preferential Attachment Model for Efficient Resources Selection in Distributed Computing Environments. <i>Springer Proceedings in Complexity</i> , 2013 , 173-178	0.3	
154	A Parallel Two-Level Multiobjective Artificial Bee Colony Approach for Traffic Grooming. <i>Lecture Notes in Computer Science</i> , 2013 , 404-411	0.9	

153	High-Speed Reconfigurable Parallel System to Design Good Error Correcting Codes in Communications. <i>Journal of Signal Processing Systems</i> , 2012 , 66, 147-152	1.4	3
152	Multiobjective Teaching-Learning-Based Optimization (MO-TLBO) for motif finding 2012 ,		8
151	Solving the Location Areas problem with Strength Pareto Evolutionary Algorithm 2012 ,		5
150	2012 ,		2
149	Multi-objective evolutionary algorithms for energy-efficiency in heterogeneous wireless sensor networks 2012 ,		1
148	Multiobjective Optimization Comparison - MOSWO vs MOGSA - for Solving the Job Scheduling Problem in Grid Environments 2012 ,		1
147	Multi-objective Firefly Algorithm for Energy Optimization in Grid Environments. <i>Lecture Notes in Computer Science</i> , 2012 , 350-351	0.9	9
146	Comparing Different Operators and Models to Improve a Multiobjective Artificial Bee Colony Algorithm for Inferring Phylogenies. <i>Lecture Notes in Computer Science</i> , 2012 , 187-200	0.9	2
145	Predicting DNA Motifs by Using Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 913-925		16
144	Solving large-scale SONET network design problems using bee-inspired algorithms. <i>Optical Switching and Networking</i> , 2012 , 9, 97-117	1.6	3
143	MO-ABC/DE - Multiobjective Artificial Bee Colony with Differential Evolution for unconstrained multiobjective optimization 2012 ,		4
142	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
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