

# Miguel A Vega-Rodriguez

## List of Publications by Citations

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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	Detecting skin in face recognition systems: A colour spaces study <b>2010</b> , 20, 806-823		115
313	A new methodology to implement the AES algorithm using partial and dynamic reconfiguration. <i>The Integration VLSI Journal</i> , <b>2010</b> , 43, 72-80	1.4	58
312	Solving the multi-objective path planning problem in mobile robotics with a firefly-based approach. <i>Soft Computing</i> , <b>2017</b> , 21, 949-964	3.5	50
311	The software project scheduling problem: A scalability analysis of multi-objective metaheuristics. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 15, 136-148	7.5	38
310	Extractive multi-document text summarization using a multi-objective artificial bee colony optimization approach. <i>Knowledge-Based Systems</i> , <b>2018</b> , 159, 1-8	7.3	37
309	MOSFLA-MRPP: Multi-Objective Shuffled Frog-Leaping Algorithm applied to Mobile Robot Path Planning. <i>Engineering Applications of Artificial Intelligence</i> , <b>2015</b> , 44, 123-136	7.2	36
308	Applying the MOVNS (multi-objective variable neighborhood search) algorithm to solve the path planning problem in mobile robotics. <i>Expert Systems With Applications</i> , <b>2016</b> , 58, 20-35	7.8	32
307	Hybrid multiobjective artificial bee colony for multiple sequence alignment. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 41, 157-168	7.5	31
306	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2016</b> , 20, 499-514	15.6	31
305	A Multi-Objective Artificial Bee Colony-based optimization approach to design water quality monitoring networks in river basins. <i>Journal of Cleaner Production</i> , <b>2017</b> , 166, 579-589	10.3	30
304	Multi-Objective Artificial Bee Colony algorithm applied to the bi-objective orienteering problem. <i>Knowledge-Based Systems</i> , <b>2018</b> , 154, 93-101	7.3	30
303	Differential evolution for solving the mobile location management. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 410-427	7.5	29
302	A multiobjective swarm intelligence approach based on artificial bee colony for reliable DNA sequence design. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 2045-2057	7.2	25
301	Optimization algorithms for large-scale real-world instances of the frequency assignment problem. <i>Soft Computing</i> , <b>2011</b> , 15, 975-990	3.5	25
300	AlineaGAB genetic algorithm with local search optimization for multiple sequence alignment. <i>Applied Intelligence</i> , <b>2010</b> , 32, 164-172	4.9	25
299	Benchmarking a Wide Spectrum of Metaheuristic Techniques for the Radio Network Design Problem. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2009</b> , 13, 1133-1150	15.6	23
298	Embedded intelligence for fast QoS-based vertical handoff in heterogeneous wireless access networks. <i>Pervasive and Mobile Computing</i> , <b>2015</b> , 19, 141-155	3.5	21

297	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2013</b> , 17, 457-473	15.6	21
296	A new Multiobjective Artificial Bee Colony algorithm to solve a real-world frequency assignment problem. <i>Neural Computing and Applications</i> , <b>2013</b> , 22, 1447-1459	4.8	21
295	Metaheuristics for solving a real-world frequency assignment problem in GSM networks <b>2008</b> ,		20
294	Applying a multiobjective metaheuristic inspired by honey bees to phylogenetic inference. <i>BioSystems</i> , <b>2013</b> , 114, 39-55	1.9	19
293	DNA strand generation for DNA computing by using a multi-objective differential evolution algorithm. <i>BioSystems</i> , <b>2014</b> , 116, 49-64	1.9	19
292	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> , <b>2014</b> , 15, 182-95	3.5	19
291	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> , <b>2015</b> , 12, 656-66	3	16
290	Predicting DNA Motifs by Using Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2012</b> , 42, 913-925		16
289	Performance evaluation of dominance-based and indicator-based multiobjective approaches for phylogenetic inference. <i>Information Sciences</i> , <b>2016</b> , 330, 293-314	7.7	14
288	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> , <b>2012</b> , 42, 1644-1655		14
287	Applying MOEAs to solve the static Routing and Wavelength Assignment problem in optical WDM networks. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 1602-1619	7.2	14
286	Guest editors' introduction Special issue on FPGAs: applications and designs. <i>Microprocessors and Microsystems</i> , <b>2004</b> , 28, 193-195	2.4	14
285	Multi-objective energy optimization in grid systems from a brain storming strategy. <i>Soft Computing</i> , <b>2015</b> , 19, 3159-3172	3.5	13
284	A decomposition-based multi-objective optimization approach for extractive multi-document text summarization. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 91, 106231	7.5	13
283	A service robot for monitoring elderly people in the context of Ambient Assisted Living. <i>Journal of Ambient Intelligence and Smart Environments</i> , <b>2014</b> , 6, 595-621	2.2	13
282	A multiobjective approach based on artificial bee colony for the static routing and wavelength assignment problem. <i>Soft Computing</i> , <b>2013</b> , 17, 199-211	3.5	13
281	A multiobjective evolutionary algorithm based on decomposition with normal boundary intersection for traffic grooming in optical networks. <i>Information Sciences</i> , <b>2014</b> , 289, 91-116	7.7	13
280	Accelerating floating-point fitness functions in evolutionary algorithms: a FPGA-CPU-GPU performance comparison. <i>Genetic Programming and Evolvable Machines</i> , <b>2011</b> , 12, 403-427	2	13

279	Parallel Multiobjective Metaheuristics for Inferring Phylogenies on Multicore Clusters. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2015</b> , 26, 1678-1692	3.7	12
278	A hybrid approach to parallelize a fast non-dominated sorting genetic algorithm for phylogenetic inference. <i>Concurrency Computation Practice and Experience</i> , <b>2015</b> , 27, 702-734	1.4	12
277	<b>2010</b> ,		12
276	Genetic algorithms using parallelism and FPGAs: the TSP as case study		12
275	Finding Motifs in DNA Sequences Applying a Multiobjective Artificial Bee Colony (MOABC) Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 89-100	0.9	12
274	A parallel evolutionary approach to solve the relay node placement problem in wireless sensor networks <b>2013</b> ,		11
273	Multiobjective metaheuristics for frequency assignment problem in mobile networks with large-scale real-world instances. <i>Engineering Computations</i> , <b>2012</b> , 29, 144-172	1.4	11
272	A hybrid Differential Evolution algorithm to solve a real-world Frequency Assignment problem. <i>Proceedings of the International Multiconference on Computer Science and Information Technology</i> , <b>2008</b> ,		11
271	Fattened backfilling: An improved strategy for job scheduling in parallel systems. <i>Journal of Parallel and Distributed Computing</i> , <b>2016</b> , 97, 69-77	4.4	11
270	Experimental analysis of multiple criteria for extractive multi-document text summarization. <i>Expert Systems With Applications</i> , <b>2020</b> , 140, 112904	7.8	11
269	Comparison of automatic methods for reducing the Pareto front to a single solution applied to multi-document text summarization. <i>Knowledge-Based Systems</i> , <b>2019</b> , 174, 123-136	7.3	10
268	Optimizing the mobility management task in networks of four world capital cities. <i>Journal of Network and Computer Applications</i> , <b>2015</b> , 51, 18-28	7.9	10
267	Comparing multiobjective swarm intelligence metaheuristics for DNA motif discovery. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 314-326	7.2	10
266	Artificial Bee Colony Inspired Algorithm Applied to Fusion Research in a Grid Computing Environment <b>2010</b> ,		10
265	Accelerating Particle Swarm Algorithm with GPGPU <b>2011</b> ,		10
264	SS vs PBIL to Solve a Real-World Frequency Assignment Problem in GSM Networks. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 21-30	0.9	10
263	Multiobjective evolutionary algorithm based on decomposition for 3-objective optimization problems with objectives in different scales. <i>Soft Computing</i> , <b>2015</b> , 19, 157-166	3.5	9
262	A Characteristic-Based Framework for Multiple Sequence Aligners. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 41-51	10.2	9

261	Multi-objective Firefly Algorithm for Energy Optimization in Grid Environments. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 350-351	0.9	9
260	Meta-schedulers for grid computing based on multi-objective swarm algorithms. <i>Applied Soft Computing Journal</i> , <b>2013</b> , 13, 1567-1582	7.5	9
259	Multi-Objective Artificial Bee Colony for scheduling in Grid environments <b>2011</b> ,		9
258	Solving the motif discovery problem by using Differential Evolution with Pareto Tournaments <b>2010</b> ,		9
257	Applying a Multiobjective Gravitational Search Algorithm (MO-GSA) to Discover Motifs. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 372-379	0.9	9
256	Improving the industrial classification of cork stoppers by using image processing and Neuro-Fuzzy computing. <i>Journal of Intelligent Manufacturing</i> , <b>2010</b> , 21, 745-760	6.7	9
255	Applying Differential Evolution to the Reporting Cells problem. <i>Proceedings of the International Multiconference on Computer Science and Information Technology</i> , <b>2008</b> ,		9
254	Automatic selection of a single solution from the Pareto front to identify key players in social networks. <i>Knowledge-Based Systems</i> , <b>2018</b> , 160, 228-236	7.3	8
253	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> , <b>2014</b> , 18, 146-157	7.5	8
252	A multiobjective approach based on the behavior of fireflies to generate reliable DNA sequences for molecular computing. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 227, 291-308	2.7	8
251	Multiobjective Teaching-Learning-Based Optimization (MO-TLBO) for motif finding <b>2012</b> ,		8
250	Artificial Bee Colony Algorithm applied to WiMAX network planning problem <b>2011</b> ,		8
249	Solving ring loading problems using bio-inspired algorithms. <i>Journal of Network and Computer Applications</i> , <b>2011</b> , 34, 668-685	7.9	8
248	IDEA and AES, two cryptographic algorithms implemented using partial and dynamic reconfiguration. <i>Microelectronics Journal</i> , <b>2009</b> , 40, 1032-1040	1.8	8
247	Solving the reporting cells problem by using a parallel team of evolutionary algorithms. <i>Logic Journal of the IGPL</i> , <b>2012</b> , 20, 722-731	1	8
246	Grid Computing in Order to Implement a Three-Dimensional Magnetohydrodynamic Equilibrium Solver for Plasma Confinement <b>2008</b> ,		8
245	Evaluation of Different Metaheuristics Solving the RND Problem <b>2007</b> , 101-110		8
244	On the design of shared memory approaches to parallelize a multiobjective bee-inspired proposal for phylogenetic reconstruction. <i>Information Sciences</i> , <b>2015</b> , 324, 163-185	7.7	7

243	A Multiobjective Proposal Based on the Firefly Algorithm for Inferring Phylogenies. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 141-152	0.9	7
242	Solving the Routing and Wavelength Assignment Problem in WDM Networks by Using a Multiobjective Variable Neighborhood Search Algorithm. <i>Advances in Intelligent and Soft Computing</i> , <b>2010</b> , 47-54		7
241	Multiobjective frequency assignment problem using the MO-VNS and MO-SVNS algorithms <b>2009</b> ,		7
240	A FPGA Optimization Tool Based on a Multi-island Genetic Algorithm Distributed over Grid Environments <b>2008</b> ,		7
239	A Differential Evolution Based Algorithm to Optimize the Radio Network Design Problem <b>2006</b> ,		7
238	Sensitiveness of Evolutionary Algorithms to the Random Number Generator. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 371-380	0.9	7
237	Predicting leaf nitrogen content in olive trees using hyperspectral data for precision agriculture. <i>Precision Agriculture</i> , <b>2021</b> , 22, 1-21	5.6	7
236	Asynchronous Non-Generational Model to Parallelize Metaheuristics: A Bioinformatics Case Study. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2017</b> , 28, 1825-1838	3.7	6
235	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 156-169	15.6	6
234	GPU-based shear-shear correlation calculation. <i>Computer Physics Communications</i> , <b>2014</b> , 185, 11-18	4.2	6
233	Cost optimization based on brain storming for grid scheduling <b>2014</b> ,		6
232	Swarm optimisation algorithms applied to large balanced communication networks. <i>Journal of Network and Computer Applications</i> , <b>2013</b> , 36, 504-522	7.9	6
231	An educational tool for testing caches on symmetric multiprocessors. <i>Microprocessors and Microsystems</i> , <b>2001</b> , 25, 187-194	2.4	6
230	Optimizing the DFCN Broadcast Protocol with a Parallel Cooperative Strategy of Multi-Objective Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 305-319	0.9	6
229	Solving the Reporting Cells Problem Using a Scatter Search Based Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 534-543	0.9	6
228	Multi-Objective Artificial Bee Colony for designing multiple genes encoding the same protein. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 74, 90-98	7.5	6
227	A Comparative Study of Parallel RANSAC Implementations in 3D Space. <i>International Journal of Parallel Programming</i> , <b>2015</b> , 43, 703-720	1.5	5
226	An Efficient Way of Assigning Paging Areas by Using Mobility Models. <i>IEEE/ACM Transactions on Networking</i> , <b>2016</b> , 24, 3726-3739	3.8	5

225	Parallelizing a multi-objective optimization approach for extractive multi-document text summarization. <i>Journal of Parallel and Distributed Computing</i> , <b>2019</b> , 134, 166-179	4.4	5
224	Performance and precision of histogram calculation on GPUs: Cosmological analysis as a case study. <i>Computer Physics Communications</i> , <b>2014</b> , 185, 2558-2565	4.2	5
223	Solving the location areas management problem with multi-objective evolutionary strategies. <i>Wireless Networks</i> , <b>2014</b> , 20, 1909-1924	2.5	5
222	Performance and energy aware scheduling simulator for HPC: evaluating different resource selection methods. <i>Concurrency Computation Practice and Experience</i> , <b>2015</b> , 27, 5436-5459	1.4	5
221	Solving the Location Areas problem with Strength Pareto Evolutionary Algorithm <b>2012</b> ,		5
220	Stellarator optimization under several criteria using metaheuristics. <i>Plasma Physics and Controlled Fusion</i> , <b>2013</b> , 55, 014003	2	5
219	On the scalability of multi-objective metaheuristics for the software scheduling problem <b>2011</b> ,		5
218	Automatic texture characterization using Gabor filters and neurofuzzy computing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2011</b> , 52, 15-32	3.2	5
217	A Multiobjective Gravitational Search Algorithm Applied to the Static Routing and Wavelength Assignment Problem. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 41-50	0.9	5
216	<b>2008</b> ,		5
215	Applying Differential Evolution to a Realistic Location Area Problem Using SUMATRA <b>2008</b> ,		5
214	Analysis of Parameter Settings for Differential Evolution Algorithm to Solve a Real-World Frequency Assignment Problem in GSM Networks <b>2008</b> ,		5
213	FPGA design and implementation of a fast pixel purity index algorithm for endmember extraction in hyperspectral imagery <b>2005</b> , 5995, 69		5
212	Radio Network Design Using Population-Based Incremental Learning and Grid Computing with BOINC <b>2007</b> , 91-100		5
211	A Multiobjective Variable Neighborhood Search for Solving the Motif Discovery Problem. <i>Advances in Intelligent and Soft Computing</i> , <b>2010</b> , 39-46		5
210	Discrete Differential Evolution Algorithm for Solving the Terminal Assignment Problem <b>2010</b> , 229-239		5
209	A multiobjective adaptive approach for the inference of evolutionary relationships in protein-based scenarios. <i>Information Sciences</i> , <b>2019</b> , 485, 281-300	7.7	4
208	A multiobjective study of the Gaussian cluster paging in the Reporting Cells strategy. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 28, 332-344	7.5	4

207	Optimization of resources in parallel systems using a multiobjective artificial bee colony algorithm. <i>Journal of Supercomputing</i> , <b>2018</b> , 74, 4019-4036	2.5	4
206	Multiobjective Frog-Leaping Optimization for the Study of Ancestral Relationships in Protein Data. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 879-893	15.6	4
205	Hardware security platform for multicast communications. <i>Journal of Systems Architecture</i> , <b>2014</b> , 60, 11-21	5.5	4
204	Distributed and asynchronous solver for large CPU intensive problems. <i>Applied Soft Computing Journal</i> , <b>2013</b> , 13, 2547-2556	7.5	4
203	Parallel H4MSA for Multiple Sequence Alignment <b>2015</b> ,		4
202	Convergence analysis of some multiobjective evolutionary algorithms when discovering motifs. <i>Soft Computing</i> , <b>2014</b> , 18, 853-869	3.5	4
201	MO-ABC/DE - Multiobjective Artificial Bee Colony with Differential Evolution for unconstrained multiobjective optimization <b>2012</b> ,		4
200	An evolutionary approach for performing multiple sequence alignment <b>2010</b> ,		4
199	Solving a Realistic Location Area Problem Using SUMATRA Networks with the Scatter Search Algorithm <b>2009</b> ,		4
198	Optimizing a realistic large-scale frequency assignment problem using a new parallel evolutionary approach. <i>Engineering Optimization</i> , <b>2011</b> , 43, 813-842	2	4
197	Fast decision algorithms in low-power embedded processors for quality-of-service based connectivity of mobile sensors in heterogeneous wireless sensor networks. <i>Sensors</i> , <b>2012</b> , 12, 1612-24	3.8	4
196	Reconfigurable computing system for image processing via the internet. <i>Microprocessors and Microsystems</i> , <b>2007</b> , 31, 498-515	2.4	4
195	Computers and Education <b>2007</b> ,		4
194	Using FPGAs to Implement Artificial Neural Networks <b>2006</b> ,		4
193	Using Omnidirectional BTS and Different Evolutionary Approaches to Solve the RND Problem <b>2007</b> , 853-860		4
192	Tackling the Static RWA Problem by Using a Multiobjective Artificial Bee Colony Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 364-371	0.9	4
191	Self-Adaptive Deployment of Parametric Sweep Applications through a Complex Networks Perspective. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 475-489	0.9	4
190	Simulated Annealing for Real-Time Vertical-Handoff in Wireless Networks. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 198-209	0.9	4



189	Applying Scatter Search to the Location Areas Problem. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 791-798.	9	4
188	Swarm intelligence for optimizing the parameters of multiple sequence aligners. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 42, 16-28	9.8	4
187	Hardware coprocessors for high-performance symmetric cryptography. <i>Journal of Supercomputing</i> , <b>2017</b> , 73, 2456-2482	2.5	3
186	Identifying key players in large social networks by using a multi-objective artificial bee colony optimization approach. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 77, 176-187	7.5	3
185	Comparative assessment of GPGPU technologies to accelerate objective functions: A case study on parsimony. <i>Journal of Parallel and Distributed Computing</i> , <b>2019</b> , 126, 67-81	4.4	3
184	Parallel computing in bioinformatics: a view from high-performance, heterogeneous, and cloud computing. <i>Journal of Supercomputing</i> , <b>2019</b> , 75, 3369-3373	2.5	3
183	Multiobjective optimization algorithms for motif discovery in DNA sequences. <i>Genetic Programming and Evolvable Machines</i> , <b>2015</b> , 16, 167-209	2	3
182	Parallelism in computational biology: A view from diverse high-performance computing applications. <i>International Journal of High Performance Computing Applications</i> , <b>2018</b> , 32, 317-320	1.8	3
181	Bin recycling strategy for improving the histogram precision on GPU. <i>Computer Physics Communications</i> , <b>2016</b> , 204, 55-63	4.2	3
180	Comparative Analysis of Intra-Algorithm Parallel Multiobjective Evolutionary Algorithms: Taxonomy Implications on Bioinformatics Scenarios. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2019</b> , 30, 63-78	3.7	3
179	An improved multiobjective approach inspired by the flashing behaviour of fireflies for Traffic Grooming in optical WDM networks. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 21, 617-636	7.5	3
178	High-Speed Reconfigurable Parallel System to Design Good Error Correcting Codes in Communications. <i>Journal of Signal Processing Systems</i> , <b>2012</b> , 66, 147-152	1.4	3
177	Using mixed mode programming to parallelize an indicator-based evolutionary algorithm for inferring multiobjective phylogenetic histories. <i>Soft Computing</i> , <b>2017</b> , 21, 5601-5620	3.5	3
176	Parallelizing and optimizing a hybrid differential evolution with Pareto tournaments for discovering motifs in DNA sequences. <i>Journal of Supercomputing</i> , <b>2014</b> , 70, 880-905	2.5	3
175	Solving large-scale SONET network design problems using bee-inspired algorithms. <i>Optical Switching and Networking</i> , <b>2012</b> , 9, 97-117	1.6	3
174	Relay Node Positioning in Wireless Sensor Networks by Means of Evolutionary Techniques. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 18-25	0.9	3
173	Routing Low-Speed Traffic Requests onto High-Speed Lightpaths by Using a Multiobjective Firefly Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 12-21	0.9	3
172	Analysing the scalability of multiobjective evolutionary algorithms when solving the motif discovery problem. <i>Journal of Global Optimization</i> , <b>2013</b> , 57, 467-497	1.5	3

171	A comparative study on distance methods applied to a multiobjective firefly algorithm for phylogenetic inference <b>2013</b> ,		3
170	A multi-objective network design for real traffic models of the internet by means of a parallel framework for solving NP-hard problems <b>2011</b> ,		3
169	Evolutionary computation and grid computing to optimise nuclear fusion devices. <i>Cluster Computing</i> , <b>2009</b> , 12, 439-448	2.1	3
168	Optimizing Multiple Sequence Alignment by Improving Mutation Operators of a Genetic Algorithm <b>2009</b> ,		3
167	Using a Genetic Algorithm and the Grid to Improve Transport Levels in the TJ-II Stellarator <b>2008</b> ,		3
166	Fast Wide Area Network Design Optimisation Using Differential Evolution <b>2007</b> ,		3
165	Advanced Texture Analysis in Cork Quality Detection. <i>Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on</i> , <b>2007</b> ,		3
164	NeuroK: A Collaborative e-Learning Platform based on Pedagogical Principles from Neuroscience <b>2017</b> ,		3
163	Inferring Multiobjective Phylogenetic Hypotheses by Using a Parallel Indicator-Based Evolutionary Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 205-217	0.9	3
162	Comparing Hybrid Versions of SS and DE to Solve a Realistic FAP Problem. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 257-264	0.9	3
161	Solving a Realistic FAP Using GRASP and Grid Computing. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 79-90.	0.9	3
160	A Hybrid Differential Evolution Algorithm for Solving the Terminal Assignment Problem. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 179-186	0.9	3
159	Parameter Analysis for Differential Evolution with Pareto Tournaments in a Multiobjective Frequency Assignment Problem. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 799-806	0.9	3
158	Grid-Oriented Scatter Search Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 193-202	0.9	3
157	Empirical Study of Performance of Particle Swarm Optimization Algorithms Using Grid Computing. <i>Studies in Computational Intelligence</i> , <b>2010</b> , 345-357	0.8	3
156	Using the Bees Algorithm to Assign Terminals to Concentrators. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 267-276	0.9	3
155	Effect of the Block Occupancy in GPGPU over the Performance of Particle Swarm Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 310-319	0.9	3
154	GPU-Based Evaluation to Accelerate Particle Swarm Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 272-279	0.9	3

153	Comparing Multiobjective Artificial Bee Colony Adaptations for Discovering DNA Motifs. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 110-121	0.9	3
152	The impact of term-weighting schemes and similarity measures on extractive multi-document text summarization. <i>Expert Systems With Applications</i> , <b>2021</b> , 169, 114510	7.8	3
151	A metaheuristic multi-objective optimization method for dynamical network biomarker identification as pre-disease stage signal. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 109, 107544	7.5	3
150	Accelerating the phylogenetic parsimony function on heterogeneous systems. <i>Concurrency Computation Practice and Experience</i> , <b>2017</b> , 29, e4046	1.4	2
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