

Miguel A Vega-Rodríguez

List of Publications by Year in descending order

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327
papers

2,580
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33
g-index

356
all docs

356
docs citations

356
times ranked

2051
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting skin in face recognition systems: A colour spaces study. , 2010, 20, 806-823.		166
2	Solving the multi-objective path planning problem in mobile robotics with a firefly-based approach. Soft Computing, 2017, 21, 949-964.	2.1	85
3	A new methodology to implement the AES algorithm using partial and dynamic reconfiguration. The Integration VLSI Journal, 2010, 43, 72-80.	1.3	82
4	Extractive multi-document text summarization using a multi-objective artificial bee colony optimization approach. Knowledge-Based Systems, 2018, 159, 1-8.	4.0	68
5	MOSFLA-MRPP: Multi-Objective Shuffled Frog-Leaping Algorithm applied to Mobile Robot Path Planning. Engineering Applications of Artificial Intelligence, 2015, 44, 123-136.	4.3	57
6	The software project scheduling problem: A scalability analysis of multi-objective metaheuristics. Applied Soft Computing Journal, 2014, 15, 136-148.	4.1	53
7	A Multi-Objective Artificial Bee Colony-based optimization approach to design water quality monitoring networks in river basins. Journal of Cleaner Production, 2017, 166, 579-589.	4.6	41
8	Applying the MOVNS (multi-objective variable neighborhood search) algorithm to solve the path planning problem in mobile robotics. Expert Systems With Applications, 2016, 58, 20-35.	4.4	40
9	Differential evolution for solving the mobile location management. Applied Soft Computing Journal, 2011, 11, 410-427.	4.1	38
10	Hybrid multiobjective artificial bee colony for multiple sequence alignment. Applied Soft Computing Journal, 2016, 41, 157-168.	4.1	38
11	A Hybrid Multiobjective Memetic Metaheuristic for Multiple Sequence Alignment. IEEE Transactions on Evolutionary Computation, 2016, 20, 499-514.	7.5	37
12	Multi-Objective Artificial Bee Colony algorithm applied to the bi-objective orienteering problem. Knowledge-Based Systems, 2018, 154, 93-101.	4.0	35
13	AlineaGAâ€”a genetic algorithm with local search optimization for multiple sequence alignment. Applied Intelligence, 2010, 32, 164-172.	3.3	32
14	Optimization algorithms for large-scale real-world instances of the frequency assignment problem. Soft Computing, 2011, 15, 975-990.	2.1	31
15	A decomposition-based multi-objective optimization approach for extractive multi-document text summarization. Applied Soft Computing Journal, 2020, 91, 106231.	4.1	31
16	Benchmarking a Wide Spectrum of Metaheuristic Techniques for the Radio Network Design Problem. IEEE Transactions on Evolutionary Computation, 2009, 13, 1133-1150.	7.5	29
17	A multiobjective swarm intelligence approach based on artificial bee colony for reliable DNA sequence design. Engineering Applications of Artificial Intelligence, 2013, 26, 2045-2057.	4.3	29
18	Comparison of automatic methods for reducing the Pareto front to a single solution applied to multi-document text summarization. Knowledge-Based Systems, 2019, 174, 123-136.	4.0	27

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19	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, 182-195.	0.7	26
20	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.	3.3	25
21	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.	3.2	25
22	Experimental analysis of multiple criteria for extractive multi-document text summarization. <i>Expert Systems With Applications</i> , 2020, 140, 112904.	4.4	25
23	Multiobjective Metaheuristics for Traffic Grooming in Optical Networks. <i>IEEE Transactions on Evolutionary Computation</i> , 2013, 17, 457-473.	7.5	24
24	Embedded intelligence for fast QoS-based vertical handoff in heterogeneous wireless access networks. <i>Pervasive and Mobile Computing</i> , 2015, 19, 141-155.	2.1	24
25	Metaheuristics for solving a real-world frequency assignment problem in GSM networks. , 2008, , .		22
26	DNA strand generation for DNA computing by using a multi-objective differential evolution algorithm. <i>BioSystems</i> , 2014, 116, 49-64.	0.9	22
27	Applying a multiobjective metaheuristic inspired by honey bees to phylogenetic inference. <i>BioSystems</i> , 2013, 114, 39-55.	0.9	21
28	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, 656-666.	1.9	21
29	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.	4.0	20
30	Predicting leaf nitrogen content in olive trees using hyperspectral data for precision agriculture. <i>Precision Agriculture</i> , 2021, 22, 1-21.	3.1	20
31	Fattened backfilling: An improved strategy for job scheduling in parallel systems. <i>Journal of Parallel and Distributed Computing</i> , 2016, 97, 69-77.	2.7	19
32	Genetic Algorithms Using Parallelism and FPGAs: The TSP as Case Study. , 0, , .		18
33	Performance evaluation of dominance-based and indicator-based multiobjective approaches for phylogenetic inference. <i>Information Sciences</i> , 2016, 330, 293-314.	4.0	18
34	Finding Motifs in DNA Sequences Applying a Multiobjective Artificial Bee Colony (MOABC) Algorithm. <i>Lecture Notes in Computer Science</i> , 2011, , 89-100.	1.0	18
35	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.	3.3	17
36	A multiobjective approach based on artificial bee colony for the static routing and wavelength assignment problem. <i>Soft Computing</i> , 2013, 17, 199-211.	2.1	16

#	ARTICLE	IF	CITATIONS
37	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.	4.3	16
38	Multi-objective energy optimization in grid systems from a brain storming strategy. <i>Soft Computing</i> , 2015, 19, 3159-3172.	2.1	16
39	Guest editors' introduction "Special issue on FPGAs: applications and designs. <i>Microprocessors and Microsystems</i> , 2004, 28, 193-195.	1.8	15
40	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> , 2008, , .	0.0	15
41	Accelerating floating-point fitness functions in evolutionary algorithms: a FPGA-CPU-GPU performance comparison. <i>Genetic Programming and Evolvable Machines</i> , 2011, 12, 403-427.	1.5	15
42	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.	0.8	15
43	Evaluation of Different Metaheuristics Solving the RND Problem. , 2007, , 101-110.		14
44	Multiobjective metaheuristics for frequency assignment problem in mobile networks with large-scale real-world instances. <i>Engineering Computations</i> , 2012, 29, 144-172.	0.7	14
45	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.	4.0	14
46	A Characteristic-Based Framework for Multiple Sequence Aligners. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 41-51.	6.2	14
47	Solving the motif discovery problem by using Differential Evolution with Pareto Tournaments. , 2010, , .		13
48	A Differential Evolution with Pareto Tournaments for solving the Routing and Wavelength Assignment problem in WDM networks. , 2010, , .		13
49	Artificial Bee Colony Inspired Algorithm Applied to Fusion Research in a Grid Computing Environment. , 2010, , .		13
50	Solving ring loading problems using bio-inspired algorithms. <i>Journal of Network and Computer Applications</i> , 2011, 34, 668-685.	5.8	13
51	Applying a Multiobjective Gravitational Search Algorithm (MO-GSA) to Discover Motifs. <i>Lecture Notes in Computer Science</i> , 2011, , 372-379.	1.0	13
52	Comparing multiobjective swarm intelligence metaheuristics for DNA motif discovery. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 314-326.	4.3	13
53	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	13
54	Improving the industrial classification of cork stoppers by using image processing and Neuro-Fuzzy computing. <i>Journal of Intelligent Manufacturing</i> , 2010, 21, 745-760.	4.4	12

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55	Multi-Objective Artificial Bee Colony for scheduling in Grid environments. , 2011, , .		12
56	Accelerating Particle Swarm Algorithm with GPGPU. , 2011, , .		12
57	Meta-schedulers for grid computing based on multi-objective swarm algorithms. Applied Soft Computing Journal, 2013, 13, 1567-1582.	4.1	12
58	A parallel evolutionary approach to solve the relay node placement problem in wireless sensor networks. , 2013, , .		12
59	Optimizing the mobility management task in networks of four world capital cities. Journal of Network and Computer Applications, 2015, 51, 18-28.	5.8	12
60	Parallel Multiobjective Metaheuristics for Inferring Phylogenies on Multicore Clusters. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1678-1692.	4.0	12
61	Multiobjective Metaheuristic to Design RNA Sequences. IEEE Transactions on Evolutionary Computation, 2019, 23, 156-169.	7.5	12
62	Applying Differential Evolution to the Reporting Cells problem. Proceedings of the International Multiconference on Computer Science and Information Technology, 2008, , .	0.0	11
63	Artificial Bee Colony Algorithm applied to WiMAX network planning problem. , 2011, , .		11
64	Multiobjective Teaching-Learning-Based Optimization (MO-TLBO) for motif finding. , 2012, , .		11
65	On the use of multiobjective optimization for solving the Location Areas strategy with different paging procedures in a realistic mobile network. Applied Soft Computing Journal, 2014, 18, 146-157.	4.1	11
66	GPU-based shearâ€šshear correlation calculation. Computer Physics Communications, 2014, 185, 11-18.	3.0	11
67	A Comparative Study of Parallel RANSAC Implementations in 3D Space. International Journal of Parallel Programming, 2015, 43, 703-720.	1.1	11
68	Parallelizing a multi-objective optimization approach for extractive multi-document text summarization. Journal of Parallel and Distributed Computing, 2019, 134, 166-179.	2.7	11
69	The impact of term-weighting schemes and similarity measures on extractive multi-document text summarization. Expert Systems With Applications, 2021, 169, 114510.	4.4	11
70	A multi-objective memetic algorithm for query-oriented text summarization: Medicine texts as a case study. Expert Systems With Applications, 2022, 198, 116769.	4.4	11
71	FPGA design and implementation of a fast pixel purity index algorithm for endmember extraction in hyperspectral imagery. , 2005, 5995, 69.		10
72	IDEA and AES, two cryptographic algorithms implemented using partial and dynamic reconfiguration. Microelectronics Journal, 2009, 40, 1032-1040.	1.1	10

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73	Solving the reporting cells problem by using a parallel team of evolutionary algorithms. Logic Journal of the IGPL, 2012, 20, 722-731.	1.3	10
74	Multi-objective Firefly Algorithm for Energy Optimization in Grid Environments. Lecture Notes in Computer Science, 2012, , 350-351.	1.0	10
75	A multiobjective approach based on the behavior of fireflies to generate reliable DNA sequences for molecular computing. Applied Mathematics and Computation, 2014, 227, 291-308.	1.4	10
76	Multiobjective evolutionary algorithm based on decomposition for 3-objective optimization problems with objectives in different scales. Soft Computing, 2015, 19, 157-166.	2.1	10
77	Sensitiveness of Evolutionary Algorithms to the Random Number Generator. Lecture Notes in Computer Science, 2011, , 371-380.	1.0	10
78	An educational tool for testing caches on symmetric multiprocessors. Microprocessors and Microsystems, 2001, 25, 187-194.	1.8	9
79	Computers and Education. , 2007, , .		9
80	Analysis of Parameter Settings for Differential Evolution Algorithm to Solve a Real-World Frequency Assignment Problem in GSM Networks. , 2008, , .		9
81	Grid Computing in Order to Implement a Three-Dimensional Magnetohydrodynamic Equilibrium Solver for Plasma Confinement. , 2008, , .		9
82	Swarm optimisation algorithms applied to large balanced communication networks. Journal of Network and Computer Applications, 2013, 36, 504-522.	5.8	9
83	Solving the Reporting Cells Problem Using a Scatter Search Based Algorithm. Lecture Notes in Computer Science, 2010, , 534-543.	1.0	9
84	Using FPGAs to Implement Artificial Neural Networks. , 2006, , .		8
85	A Differential Evolution Based Algorithm to Optimize the Radio Network Design Problem. , 2006, , .		8
86	A FPGA Optimization Tool Based on a Multi-island Genetic Algorithm Distributed over Grid Environments. , 2008, , .		8
87	A Multiobjective Proposal Based on the Firefly Algorithm for Inferring Phylogenies. Lecture Notes in Computer Science, 2013, , 141-152.	1.0	8
88	On the design of shared memory approaches to parallelize a multiobjective bee-inspired proposal for phylogenetic reconstruction. Information Sciences, 2015, 324, 163-185.	4.0	8
89	Multiobjective Frog-Leaping Optimization for the Study of Ancestral Relationships in Protein Data. IEEE Transactions on Evolutionary Computation, 2018, 22, 879-893.	7.5	8
90	Multi-Objective Artificial Bee Colony for designing multiple genes encoding the same protein. Applied Soft Computing Journal, 2019, 74, 90-98.	4.1	8

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91	Using Omnidirectional BTS and Different Evolutionary Approaches to Solve the RND Problem. , 2007, , 853-860.		8
92	Parallelizing PBIL for Solving a Real-World Frequency Assignment Problem in GSM Networks. , 2008, , .		7
93	Multiobjective frequency assignment problem using the MO-VNS and MO-SVNS algorithms. , 2009, , .		7
94	An evolutionary approach for performing multiple sequence alignment. , 2010, , .		7
95	Solving the Routing and Wavelength Assignment Problem in WDM Networks by Using a Multiobjective Variable Neighborhood Search Algorithm. Advances in Intelligent and Soft Computing, 2010, , 47-54.	0.2	7
96	On the scalability of multi-objective metaheuristics for the software scheduling problem. , 2011, , .		7
97	Solving the Location Areas problem with Strength Pareto Evolutionary Algorithm. , 2012, , .		7
98	Cost optimization based on brain storming for grid scheduling. , 2014, , .		7
99	Hardware security platform for multicast communications. Journal of Systems Architecture, 2014, 60, 11-21.	2.5	7
100	Performance and precision of histogram calculation on GPUs: Cosmological analysis as a case study. Computer Physics Communications, 2014, 185, 2558-2565.	3.0	7
101	Asynchronous Non-Generational Model to Parallelize Metaheuristics: A Bioinformatics Case Study. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1825-1838.	4.0	7
102	Identifying key players in large social networks by using a multi-objective artificial bee colony optimization approach. Applied Soft Computing Journal, 2019, 77, 176-187.	4.1	7
103	Concurrent CPU-GPU Code Optimization: The Two-Point Angular Correlation Function as Case Study. Lecture Notes in Computer Science, 2013, , 209-218.	1.0	7
104	Fast Wide Area Network Design Optimisation Using Differential Evolution. , 2007, , .		6
105	Reconfigurable computing system for image processing via the internet. Microprocessors and Microsystems, 2007, 31, 498-515.	1.8	6
106	A Multiobjective Gravitational Search Algorithm Applied to the Static Routing and Wavelength Assignment Problem. Lecture Notes in Computer Science, 2011, , 41-50.	1.0	6
107	Optimizing a realistic large-scale frequency assignment problem using a new parallel evolutionary approach. Engineering Optimization, 2011, 43, 813-842.	1.5	6
108	Fast Decision Algorithms in Low-Power Embedded Processors for Quality-of-Service Based Connectivity of Mobile Sensors in Heterogeneous Wireless Sensor Networks. Sensors, 2012, 12, 1612-1624.	2.1	6

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109	Solving large-scale SONET network design problems using bee-inspired algorithms. <i>Optical Switching and Networking</i> , 2012, 9, 97-117.	1.2	6
110	Stellarator optimization under several criteria using metaheuristics. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 014003.	0.9	6
111	Convergence analysis of some multiobjective evolutionary algorithms when discovering motifs. <i>Soft Computing</i> , 2014, 18, 853-869.	2.1	6
112	Solving the location areas management problem with multi-objective evolutionary strategies. <i>Wireless Networks</i> , 2014, 20, 1909-1924.	2.0	6
113	Swarm intelligence for optimizing the parameters of multiple sequence aligners. <i>Swarm and Evolutionary Computation</i> , 2018, 42, 16-28.	4.5	6
114	Radio Network Design Using Population-Based Incremental Learning and Grid Computing with BOINC. , 2007, , 91-100.		6
115	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.	1.0	6
116	Grid-Oriented Scatter Search Algorithm. <i>Lecture Notes in Computer Science</i> , 2009, , 193-202.	1.0	6
117	A Multiobjective Variable Neighborhood Search for Solving the Motif Discovery Problem. <i>Advances in Intelligent and Soft Computing</i> , 2010, , 39-46.	0.2	6
118	Discrete Differential Evolution Algorithm for Solving the Terminal Assignment Problem. , 2010, , 229-239.		6
119	Simulated Annealing for Real-Time Vertical-Handoff in Wireless Networks. <i>Lecture Notes in Computer Science</i> , 2013, , 198-209.	1.0	6
120	A multi-objective optimization approach for the identification of cancer biomarkers from RNA-seq data. <i>Expert Systems With Applications</i> , 2022, 193, 116480.	4.4	6
121	A differential evolution algorithm for location area problem in mobile networks. , 2007, , .		5
122	Using a Genetic Algorithm and the Grid to Improve Transport Levels in the TJ-II Stellarator. , 2008, , .		5
123	Applying Differential Evolution to a Realistic Location Area Problem Using SUMATRA. , 2008, , .		5
124	Optimizing Multiple Sequence Alignment by Improving Mutation Operators of a Genetic Algorithm. , 2009, , .		5
125	Automatic texture characterization using Gabor filters and neurofuzzy computing. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 52, 15-32.	1.5	5
126	MO-ABC/DE - Multiobjective Artificial Bee Colony with Differential Evolution for unconstrained multiobjective optimization. , 2012, , .		5

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127	Distributed and asynchronous solver for large CPU intensive problems. Applied Soft Computing Journal, 2013, 13, 2547-2556.	4.1	5
128	Performance and energy aware scheduling simulator for HPC: evaluating different resource selection methods. Concurrency Computation Practice and Experience, 2015, 27, 5436-5459.	1.4	5
129	Parallel H4MSA for Multiple Sequence Alignment. , 2015, , .		5
130	An Efficient Way of Assigning Paging Areas by Using Mobility Models. IEEE/ACM Transactions on Networking, 2016, 24, 3726-3739.	2.6	5
131	Bin recycling strategy for improving the histogram precision on GPU. Computer Physics Communications, 2016, 204, 55-63.	3.0	5
132	Multi-objective memetic meta-heuristic algorithm for encoding the same protein with multiple genes. Expert Systems With Applications, 2019, 136, 83-93.	4.4	5
133	Parallel computing in bioinformatics: a view from high-performance, heterogeneous, and cloud computing. Journal of Supercomputing, 2019, 75, 3369-3373.	2.4	5
134	A multiobjective adaptive approach for the inference of evolutionary relationships in protein-based scenarios. Information Sciences, 2019, 485, 281-300.	4.0	5
135	Addressing topic modeling with a multi-objective optimization approach based on swarm intelligence. Knowledge-Based Systems, 2021, 225, 107113.	4.0	5
136	A metaheuristic multi-objective optimization method for dynamical network biomarker identification as pre-disease stage signal. Applied Soft Computing Journal, 2021, 109, 107544.	4.1	5
137	Using the Bees Algorithm to Assign Terminals to Concentrators. Lecture Notes in Computer Science, 2010, , 267-276.	1.0	5
138	NeuroK: A Collaborative e-Learning Platform based on Pedagogical Principles from Neuroscience. , 2017, , .		5
139	Applying Scatter Search to the Location Areas Problem. Lecture Notes in Computer Science, 2009, , 791-798.	1.0	5
140	Computational design of phage cocktails based on phage-bacteria infection networks. Computers in Biology and Medicine, 2022, 142, 105186.	3.9	5
141	Learning analytics to predict studentsâ€™ performance: A case study of a neurodidactics-based collaborative learning platform. Education and Information Technologies, 2022, 27, 12913-12938.	3.5	5
142	Solving a Realistic Location Area Problem Using SUMATRA Networks with the Scatter Search Algorithm. , 2009, , .		4
143	Grid-based metaheuristics to improve a nuclear fusion device. Concurrency Computation Practice and Experience, 2010, 22, 1476-1493.	1.4	4
144	Evolutionary computation and grid computing to optimise nuclear fusion devices. Cluster Computing, 2009, 12, 439-448.	3.5	4

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145	Solving the weighted ring edge-loading problem without demand splitting using a Hybrid Differential Evolution Algorithm. , 2009, , .		4
146	Relay Node Positioning in Wireless Sensor Networks by Means of Evolutionary Techniques. Lecture Notes in Computer Science, 2012, , 18-25.	1.0	4
147	Analysing the scalability of multiobjective evolutionary algorithms when solving the motif discovery problem. Journal of Global Optimization, 2013, 57, 467-497.	1.1	4
148	A comparative study on distance methods applied to a multiobjective firefly algorithm for phylogenetic inference. , 2013, , .		4
149	A comparative study of parallel software SURF implementations. Concurrency Computation Practice and Experience, 2014, 26, 2758-2771.	1.4	4
150	Multiobjective optimization algorithms for motif discovery in DNA sequences. Genetic Programming and Evolvable Machines, 2015, 16, 167-209.	1.5	4
151	A multiobjective study of the Gaussian cluster paging in the Reporting Cells strategy. Applied Soft Computing Journal, 2015, 28, 332-344.	4.1	4
152	A hybrid MPI/OpenMP parallel implementation of NSGA-II for finding patterns in protein sequences. Journal of Supercomputing, 2017, 73, 2285-2312.	2.4	4
153	Hardware coprocessors for high-performance symmetric cryptography. Journal of Supercomputing, 2017, 73, 2456-2482.	2.4	4
154	Using mixed mode programming to parallelize an indicator-based evolutionary algorithm for inferring multiobjective phylogenetic histories. Soft Computing, 2017, 21, 5601-5620.	2.1	4
155	Optimization of resources in parallel systems using a multiobjective artificial bee colony algorithm. Journal of Supercomputing, 2018, 74, 4019-4036.	2.4	4
156	Comparative Analysis of Intra-Algorithm Parallel Multiobjective Evolutionary Algorithms: Taxonomy Implications on Bioinformatics Scenarios. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 63-78.	4.0	4
157	Comparative assessment of GPGPU technologies to accelerate objective functions: A case study on parsimony. Journal of Parallel and Distributed Computing, 2019, 126, 67-81.	2.7	4
158	An Indicator-based Multi-Objective Optimization Approach Applied to Extractive Multi-Document Text Summarization. IEEE Latin America Transactions, 2019, 17, 1291-1299.	1.2	4
159	Sentiment-oriented query-focused text summarization addressed with a multi-objective optimization approach. Applied Soft Computing Journal, 2021, 113, 107915.	4.1	4
160	Solving the Terminal Assignment Problem Using a Local Search Genetic Algorithm. Advances in Soft Computing, 2009, , 225-234.	0.4	4
161	Solving the Ring Loading Problem Using Genetic Algorithms with Intelligent Multiple Operators. Advances in Soft Computing, 2009, , 235-244.	0.4	4
162	A Hybrid Differential Evolution Algorithm for Solving the Terminal Assignment Problem. Lecture Notes in Computer Science, 2009, , 179-186.	1.0	4

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163	Parameter Analysis for Differential Evolution with Pareto Tournaments in a Multiobjective Frequency Assignment Problem. Lecture Notes in Computer Science, 2009, , 799-806.	1.0	4
164	Empirical Study of Performance of Particle Swarm Optimization Algorithms Using Grid Computing. Studies in Computational Intelligence, 2010, , 345-357.	0.7	4
165	Effect of the Block Occupancy in GPGPU over the Performance of Particle Swarm Algorithm. Lecture Notes in Computer Science, 2011, , 310-319.	1.0	4
166	Self-Adaptive Deployment of Parametric Sweep Applications through a Complex Networks Perspective. Lecture Notes in Computer Science, 2011, , 475-489.	1.0	4
167	Decomposition-based multi-objective optimization approach for PPI network alignment. Knowledge-Based Systems, 2022, 243, 108527.	4.0	4
168	Advanced Texture Analysis in Cork Quality Detection. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	3
169	The Radio Network Design Optimization Problem. Studies in Computational Intelligence, 2009, , 219-260.	0.7	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. , 2011, , .		3
171	COMPARATIVE ANALYSIS OF A HYBRID DE ALGORITHM WITH THE VNS ALGORITHM AND ITS VARIATION SVNS TO SOLVE A REAL-WORLD FREQUENCY ASSIGNMENT PROBLEM. Applied Artificial Intelligence, 2011, 25, 217-234.	2.0	3
172	DNA sequence design for reliable DNA computing by using a multiobjective approach. , 2012, , .		3
173	A Parallel Multiobjective Artificial Bee Colony Algorithm for Dealing with the Traffic Grooming Problem. , 2012, , .		3
174	High-Speed Reconfigurable Parallel System to Design Good Error Correcting Codes in Communications. Journal of Signal Processing Systems, 2012, 66, 147-152.	1.4	3
175	Routing Low-Speed Traffic Requests onto High-Speed Lightpaths by Using a Multiobjective Firefly Algorithm. Lecture Notes in Computer Science, 2013, , 12-21.	1.0	3
176	Applying OpenMP-based parallel implementations of NSGA-II and SPEA2 to study phylogenetic relationships. , 2014, , .		3
177	Parallelizing and optimizing a hybrid differential evolution with Pareto tournaments for discovering motifs in DNA sequences. Journal of Supercomputing, 2014, 70, 880-905.	2.4	3
178	An improved multiobjective approach inspired by the flashing behaviour of fireflies for Traffic Grooming in optical WDM networks. Applied Soft Computing Journal, 2014, 21, 617-636.	4.1	3
179	Multiobjective Small-World Optimization for Energy Saving in Grid Environments. Computer Journal, 2015, 58, 432-447.	1.5	3
180	Accelerating the phylogenetic parsimony function on heterogeneous systems. Concurrency Computation Practice and Experience, 2017, 29, e4046.	1.4	3

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181	A Parallel Multiobjective Metaheuristic for Multiple Sequence Alignment. <i>Journal of Computational Biology</i> , 2018, 25, 1009-1022.	0.8	3
182	Parallelism in computational biology. <i>International Journal of High Performance Computing Applications</i> , 2018, 32, 317-320.	2.4	3
183	Multiobjective characteristic-based framework for very-large multiple sequence alignment. <i>Applied Soft Computing Journal</i> , 2018, 69, 719-736.	4.1	3
184	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.	3.9	3
185	Non-dominated Sorting and a Novel Formulation in the Reporting Cells Planning. <i>Lecture Notes in Computer Science</i> , 2014, , 285-295.	1.0	3
186	A Genetic Algorithm with Multiple Operators for Solving the Terminal Assignment Problem. <i>Studies in Computational Intelligence</i> , 2008, , 279-288.	0.7	3
187	Comparing Hybrid Versions of SS and DE to Solve a Realistic FAP Problem. <i>Lecture Notes in Computer Science</i> , 2008, , 257-264.	1.0	3
188	Solving a Realistic FAP Using GRASP and Grid Computing. <i>Lecture Notes in Computer Science</i> , 2009, , 79-90.	1.0	3
189	A Hybrid Ant Colony Optimization Algorithm for Solving the Ring Arc-Loading Problem. <i>Lecture Notes in Computer Science</i> , 2010, , 49-59.	1.0	3
190	Solving SONET Problems Using a Hybrid Scatter Search Algorithm. <i>Studies in Computational Intelligence</i> , 2012, , 81-97.	0.7	3
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