

# M G Arenas

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

600  
citations

759190

12  
h-index

677123

22  
g-index

65  
all docs

65  
docs citations

65  
times ranked

575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Why Not STEM? A Study Case on the Influence of Gender Factors on Students' Higher Education Choice. Mathematics, 2022, 10, 239.	2.2	14
2	Detection and Analysis of Anomalies in People Density and Mobility Through Wireless Smartphone Tracking. IEEE Access, 2020, 8, 54237-54253.	4.2	5
3	Studying real traffic and mobility scenarios for a Smart City using a new monitoring and tracking system. Future Generation Computer Systems, 2017, 76, 163-179.	7.5	52
4	Applying computational intelligence methods for predicting the sales of newly published books in a real editorial business management environment. Knowledge-Based Systems, 2017, 115, 133-151.	7.1	31
5	Wireless monitoring and tracking system for vehicles: A study case in an urban scenario. Simulation Modelling Practice and Theory, 2017, 73, 22-42.	3.8	15
6	Impact of Protests in the Number of Smart Devices in Streets: A New Approach to Analyze Protesters Behavior. Lecture Notes in Computer Science, 2017, , 75-85.	1.3	0
7	Parameter analysis of Monte Carlo simulation model for improvement of its performance with high accuracy of reliability estimations of radiocommunication equipment. , 2016, , .		1
8	Comparing Wireless Traffic Tracking with Regular Traffic Control Systems for the Detection of Congestions in Streets. Lecture Notes in Computer Science, 2016, , 42-51.	1.3	2
9	Studying the effect of population size in distributed evolutionary algorithms on heterogeneous clusters. Applied Soft Computing Journal, 2016, 38, 530-547.	7.2	7
10	Simulation Approach for Optimal Maintenance Intervals Estimation of Electronic Devices. Advances in Intelligent Systems and Computing, 2016, , 153-164.	0.6	7
11	Bringing closer women to engineering. , 2015, , .		1
12	It's Time to Stop: A Comparison of Termination Conditions in the Evolution of Game Bots. Lecture Notes in Computer Science, 2015, , 355-368.	1.3	1
13	Fast Feature Selection in a GPU Cluster Using the Delta Test. Entropy, 2014, 16, 854-869.	2.2	11
14	Designing robust volunteer-based evolutionary algorithms. Genetic Programming and Evolvable Machines, 2014, 15, 221-244.	2.2	18
15	Short, medium and long term forecasting of time series using the L-Co-R algorithm. Neurocomputing, 2014, 128, 433-446.	5.9	18
16	Co-Evolutionary Optimization of Autonomous Agents in a Real-Time Strategy Game. Lecture Notes in Computer Science, 2014, , 374-385.	1.3	4
17	Studying Individualized Transit Indicators Using a New Low-Cost Information System. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2014, , 388-407.	0.5	6
18	Cloud-based evolutionary algorithms: An algorithmic study. Natural Computing, 2013, 12, 135-147.	3.0	14

#	ARTICLE	IF	CITATIONS
19	Service oriented evolutionary algorithms. <i>Soft Computing</i> , 2013, 17, 1059-1075.	3.6	21
20	hCHAC: A family of MOACO algorithms for the resolution of the bi-criteria military unit pathfinding problem. <i>Computers and Operations Research</i> , 2013, 40, 1524-1551.	4.0	13
21	Developing services in a service oriented architecture for evolutionary algorithms. , 2013, , .		3
22	Using statistical tools to determine the significance and relative importance of the main parameters of an evolutionary algorithm. <i>Intelligent Data Analysis</i> , 2013, 17, 771-789.	0.9	3
23	Comparing Some Estimate Methods in a Gompertz-Lognormal Diffusion Process. <i>Lecture Notes in Computer Science</i> , 2013, , 499-506.	1.3	0
24	Using Student Conferences to Increase Participation in the Classroom: A Case Study. <i>IEEE Transactions on Education</i> , 2012, 55, 580-581.	2.4	5
25	Determining the significance and relative importance of parameters of a simulated quenching algorithm using statistical tools. <i>Applied Intelligence</i> , 2012, 37, 239-254.	5.3	9
26	GPU Parallel Computation in Bioinspired Algorithms: A Review. <i>Studies in Computational Intelligence</i> , 2012, , 113-134.	0.9	4
27	Coevolution of lags and RBFNs for time series forecasting: L-Co-R algorithm. <i>Soft Computing</i> , 2012, 16, 919-942.	3.6	10
28	Distributed Evolutionary Computation Using SOAP and REST Web Services. <i>Studies in Computational Intelligence</i> , 2012, , 89-111.	0.9	4
29	Parallel Approaches in MOACOs for Solving the Bi-criteria TSP: A Preliminary Study. <i>Studies in Computational Intelligence</i> , 2012, , 45-66.	0.9	0
30	Cloud-based Evolutionary Parallel Computation Using Low Cost Storage Services. , 2011, , .		1
31	Assessing speed-ups in commodity cloud storage services for distributed evolutionary algorithms. , 2011, , .		7
32	Using free cloud storage services for distributed evolutionary algorithms. , 2011, , .		8
33	A Peer-to-Peer Approach to Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2011, , 108-117.	1.3	5
34	Implementation Matters: Programming Best Practices for Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2011, , 333-340.	1.3	18
35	Online vs. Offline ANOVA Use on Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2011, , 341-347.	1.3	1
36	Statistical analysis of the parameters of the simulated annealing algorithm. , 2010, , .		0

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37	Evolution of XPath Lists for Document Data Selection. , 2010, , 341-350.		0
38	A Distributed Service Oriented Framework for Metaheuristics Using a Public Standard. Studies in Computational Intelligence, 2010, , 211-222.	0.9	9
39	Statistical Analysis of Parameter Setting in Real-Coded Evolutionary Algorithms. Lecture Notes in Computer Science, 2010, , 452-461.	1.3	4
40	Studying the Influence of the Objective Balancing Parameter in the Performance of a Multi-Objective Ant Colony Optimization Algorithm. Studies in Computational Intelligence, 2010, , 163-176.	0.9	0
41	Parallelizing the Design of Radial Basis Function Neural Networks by Means of Evolutionary Meta-algorithms. Lecture Notes in Computer Science, 2009, , 383-390.	1.3	2
42	Enhanced Radial Basis Function Neural Network Design Using Parallel Evolutionary Algorithms. Communications in Computer and Information Science, 2009, , 269-280.	0.5	0
43	Comparing evolutionary hybrid systems for design and optimization of multilayer perceptron structure along training parameters. Information Sciences, 2007, 177, 2884-2905.	6.9	25
44	Multiobjective Optimization of Ensembles of Multilayer Perceptrons for Pattern Classification. Lecture Notes in Computer Science, 2006, , 453-462.	1.3	8
45	Designing a Control System for an Autonomous Robot Using an Evolutionary Algorithm. Lecture Notes in Computer Science, 2005, , 685-692.	1.3	0
46	Evolutionary Design of a Brain-Computer Interface. Lecture Notes in Computer Science, 2005, , 669-676.	1.3	1
47	Modeling Malaria with Multi-Agent Systems. International Journal of Intelligent Information Technologies, 2005, 1, 17-27.	0.8	13
48	Evolving RBF neural networks for time-series forecasting with EvRBF. Information Sciences, 2004, 165, 207-220.	6.9	88
49	Comparing Hybrid Systems to Design and Optimize Artificial Neural Networks. Lecture Notes in Computer Science, 2004, , 240-249.	1.3	0
50	Cooperative Co-evolution of Multilayer Perceptrons. Lecture Notes in Computer Science, 2003, , 358-365.	1.3	2
51	Visualization of Neural Net Evolution. Lecture Notes in Computer Science, 2003, , 534-541.	1.3	4
52	Artificial Neural Networks Design using Evolutionary Algorithms. , 2003, , 43-52.		10
53	Opposites Attract: Complementary Phenotype Selection for Crossover in Genetic Programming. Lecture Notes in Computer Science, 2002, , 142-152.	1.3	6
54	Genetic Algorithm Visualization Using Self-organizing Maps. Lecture Notes in Computer Science, 2002, , 442-451.	1.3	10

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55	A Framework for Distributed Evolutionary Algorithms. Lecture Notes in Computer Science, 2002, , 665-675.	1.3	72
56	Optimisation of Multilayer Perceptrons Using a Distributed Evolutionary Algorithm with SOAP. Lecture Notes in Computer Science, 2002, , 676-685.	1.3	6
57	Evolutionary Computation Visualization: Application to G-PROP. Lecture Notes in Computer Science, 2000, , 902-912.	1.3	3