

Andres Espinal

List of Publications by Year in descending order

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22
papers

135
citations

1478280

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23
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	Biologically-Inspired Legged Robot Locomotion Controlled With a BCI by Means of Cognitive Monitoring. IEEE Access, 2021, 9, 35766-35777.	2.6	10
2	Micro-differential evolution cluster-optimizer (MiDECO): an open-access software for the optimization of molecular clusters $M \times N_z$ ($x + y \hat{=} 5$; $M = N$ or $M \hat{=} N$). Journal of Nanoparticle Research, 2021, 23, 1.	0.8	1
3	A Methodology for Classifying Search Operators as Intensification or Diversification Heuristics. Complexity, 2020, 2020, 1-10.	0.9	4
4	An OGM-Based Visual Navigation System with Reduced Homographies and Accurate Computations for Mobile Robots. Mathematical Problems in Engineering, 2019, 2019, 1-13.	0.6	1
5	Comparison of metaheuristic optimization algorithms for dimensional synthesis of a spherical parallel manipulator. Mechanism and Machine Theory, 2019, 140, 586-600.	2.7	9
6	Symmetric-Approximation Energy-Based Estimation of Distribution (SEED): A Continuous Optimization Algorithm. IEEE Access, 2019, 7, 154859-154871.	2.6	4
7	Evolutionary Spiking Neural Networks for Solving Supervised Classification Problems. Computational Intelligence and Neuroscience, 2019, 2019, 1-13.	1.1	14
8	Symbolic Regression by Means of Grammatical Evolution with Estimation Distribution Algorithms as Search Engine. Studies in Computational Intelligence, 2018, , 169-177.	0.7	2
9	Statistical Comparative Between Selection Rules for Adaptive Operator Selection in Vehicle Routing and Multi-knapsack Problems. Studies in Computational Intelligence, 2018, , 389-400.	0.7	1
10	Partially-Connected Artificial Neural Networks Developed by Grammatical Evolution for Pattern Recognition Problems. Studies in Computational Intelligence, 2018, , 99-112.	0.7	4
11	Evolutionary Design of Problem-Adapted Image Descriptors for Texture Classification. IEEE Access, 2018, 6, 40450-40462.	2.6	5
12	Evolvability Metric Estimation by a Parallel Perceptron for On-Line Selection Hyper-Heuristics. IEEE Access, 2017, 5, 7055-7063.	2.6	8
13	A FPGA-Based Neuromorphic Locomotion System for Multi-Legged Robots. IEEE Access, 2017, 5, 8301-8312.	2.6	28
14	Differential Evolution with Self-adaptive Gaussian Perturbation. Studies in Computational Intelligence, 2017, , 617-629.	0.7	0
15	Generating Bin Packing Heuristic Through Grammatical Evolution Based on Bee Swarm Optimization. Studies in Computational Intelligence, 2017, , 655-671.	0.7	2
16	A SpiNNaker Application: Design, Implementation and Validation of SCPGs. Lecture Notes in Computer Science, 2017, , 548-559.	1.0	8
17	Design of Spiking Central Pattern Generators for Multiple Locomotion Gaits in Hexapod Robots by Christiansen Grammar Evolution. Frontiers in Neurorobotics, 2016, 10, 6.	1.6	19
18	Evoluci3n diferencial con perturbaciones Gaussianas. Research in Computing Science, 2015, 94, 111-122.	0.1	1

#	ARTICLE	IF	CITATIONS
19	Developing Architectures of Spiking Neural Networks by Using Grammatical Evolution Based on Evolutionary Strategy. Lecture Notes in Computer Science, 2014, , 71-80.	1.0	2
20	Comparing Metaheuristic Algorithms on the Training Process of Spiking Neural Networks. Studies in Computational Intelligence, 2014, , 391-403.	0.7	5
21	Comparison of PSO and DE for Training Neural Networks. , 2011, , .		6
22	Spiking Central Pattern Generators through Reverse Engineering of Locomotion Patterns. , 0, , .		1