

Andres Espinal

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

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citations

1478280

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23
all docs

23
docs citations

23
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	A FPGA-Based Neuromorphic Locomotion System for Multi-Legged Robots. IEEE Access, 2017, 5, 8301-8312.	2.6	28
2	Design of Spiking Central Pattern Generators for Multiple Locomotion Gaits in Hexapod Robots by Christiansen Grammar Evolution. Frontiers in Neurobotics, 2016, 10, 6.	1.6	19
3	Evolutionary Spiking Neural Networks for Solving Supervised Classification Problems. Computational Intelligence and Neuroscience, 2019, 2019, 1-13.	1.1	14
4	Biologically-Inspired Legged Robot Locomotion Controlled With a BCI by Means of Cognitive Monitoring. IEEE Access, 2021, 9, 35766-35777.	2.6	10
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	Evolvability Metric Estimation by a Parallel Perceptron for On-Line Selection Hyper-Heuristics. IEEE Access, 2017, 5, 7055-7063.	2.6	8
7	A SpiNNaker Application: Design, Implementation and Validation of SCPGs. Lecture Notes in Computer Science, 2017, , 548-559.	1.0	8
8	Comparison of PSO and DE for Training Neural Networks. , 2011, , .		6
9	Evolutionary Design of Problem-Adapted Image Descriptors for Texture Classification. IEEE Access, 2018, 6, 40450-40462.	2.6	5
10	Comparing Metaheuristic Algorithms on the Training Process of Spiking Neural Networks. Studies in Computational Intelligence, 2014, , 391-403.	0.7	5
11	Partially-Connected Artificial Neural Networks Developed by Grammatical Evolution for Pattern Recognition Problems. Studies in Computational Intelligence, 2018, , 99-112.	0.7	4
12	Symmetric-Approximation Energy-Based Estimation of Distribution (SEED): A Continuous Optimization Algorithm. IEEE Access, 2019, 7, 154859-154871.	2.6	4
13	A Methodology for Classifying Search Operators as Intensification or Diversification Heuristics. Complexity, 2020, 2020, 1-10.	0.9	4
14	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
15	Generating Bin Packing Heuristic Through Grammatical Evolution Based on Bee Swarm Optimization. Studies in Computational Intelligence, 2017, , 655-671.	0.7	2
16	Symbolic Regression by Means of Grammatical Evolution with Estimation Distribution Algorithms as Search Engine. Studies in Computational Intelligence, 2018, , 169-177.	0.7	2
17	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
18	Spiking Central Pattern Generators through Reverse Engineering of Locomotion Patterns. , 0, , .		1

#	ARTICLE	IF	CITATIONS
19	An OGM-Based Visual Navigation System with Reduced Homographies and Accurate Computations for Mobile Robots. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-13.	0.6	1
20	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 $M \hat{=} N$). <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	1
21	Evoluci3n diferencial con perturbaciones Gaussianas. <i>Research in Computing Science</i> , 2015, 94, 111-122.	0.1	1
22	Differential Evolution with Self-adaptive Gaussian Perturbation. <i>Studies in Computational Intelligence</i> , 2017, , 617-629.	0.7	0