Alfonso Rojas-DomÃnguez

List of Publications by Year
in descending order

		1040056	642732
28 papers	600 citations	9 h-index	23 g-index
31 all docs	31 docs citations	31 times ranked	636 citing authors

#	Article	IF	Citations
1	Toward breast cancer diagnosis based on automated segmentation of masses in mammograms. Pattern Recognition, 2009, 42, 1138-1148.	8.1	104
2	Detection of masses in mammograms via statistically based enhancement, multilevel-thresholding segmentation, and region selection. Computerized Medical Imaging and Graphics, 2008, 32, 304-315.	5.8	99
3	Practical scheme for fast detection and classification of rolling-element bearing faults using support vector machines. Mechanical Systems and Signal Processing, 2006, 20, 1523-1536.	8.0	79
4	Optimal Hyper-Parameter Tuning of SVM Classifiers With Application to Medical Diagnosis. IEEE Access, 2018, 6, 7164-7176.	4.2	59
5	A novel formulation of orthogonal polynomial kernel functions for SVM classifiers: The Gegenbauer family. Pattern Recognition, 2018, 84, 211-225.	8.1	57
6	Improved dynamic‐programming‐based algorithms for segmentation of masses in mammograms. Medical Physics, 2007, 34, 4256-4269.	3.0	38
7	Development of tolerant features for characterization of masses in mammograms. Computers in Biology and Medicine, 2009, 39, 678-688.	7.0	36
8	Hyper-Parameter Tuning for Support Vector Machines by Estimation of Distribution Algorithms. Studies in Computational Intelligence, 2017, , 787-800.	0.9	22
9	Detection and Classification of Rolling-Element Bearing Faults using Support Vector Machines. , 0, , .		19
10	Enhanced Multi-Level Thresholding Segmentation and Rank Based Region Selection for Detection of Masses in Mammograms. , 2007, , .		14
11	Evolutionary Spiking Neural Networks for Solving Supervised Classification Problems. Computational Intelligence and Neuroscience, 2019, 2019, 1-13.	1.7	14
12	Automated classification of archaeological ceramic materials by means of texture measures. Journal of Archaeological Science: Reports, 2018, 21, 921-928.	0.5	9
13	Parameter optimization for the smoothed-particle hydrodynamics method by means of evolutionary metaheuristics. Computer Physics Communications, 2019, 243, 30-40.	7.5	7
14	Modeling cancer immunoediting in tumor microenvironment with system characterization through the ising-model Hamiltonian. BMC Bioinformatics, 2022, 23, .	2.6	7
15	Visualization of compound drops formation in multiphase processes for the identification of factors influencing bubble and water droplet inclusions in oil drops. Chemical Engineering Research and Design, 2012, 90, 1727-1738.	5.6	5
16	Gradient‐Direction‐Pattern Transform for Automated Measurement of Oil Drops in Images of Multiphase Dispersions. Chemical Engineering and Technology, 2015, 38, 327-335.	1.5	5
17	Evolutionary Design of Problem-Adapted Image Descriptors for Texture Classification. IEEE Access, 2018, 6, 40450-40462.	4.2	5
18	Partially-Connected Artificial Neural Networks Developed by Grammatical Evolution for Pattern Recognition Problems. Studies in Computational Intelligence, 2018, , 99-112.	0.9	4

#	Article	IF	Citations
19	Bio-inspired Metaheuristics for Hyper-parameter Tuning of Support Vector Machine Classifiers. Studies in Computational Intelligence, 2018, , 115-130.	0.9	4
20	Symmetric-Approximation Energy-Based Estimation of Distribution (SEED): A Continuous Optimization Algorithm. IEEE Access, 2019, 7, 154859-154871.	4.2	4
21	A Methodology to Determine the Subset of Heuristics for Hyperheuristics through Metalearning for Solving Graph Coloring and Capacitated Vehicle Routing Problems. Complexity, 2021, 2021, 1-22.	1.6	3
22	Modeling the Game of Go by Ising Hamiltonian, Deep Belief Networks and Common Fate Graphs. IEEE Access, 2019, 7, 120117-120127.	4.2	2
23	Comparing Threshold-Selection Methods for Image Segmentation: Application to Defect Detection in Automated Visual Inspection Systems. Lecture Notes in Computer Science, 2016, , 33-43.	1.3	1
24	Comparing Grammatical Evolutionâ€™s Mapping Processes on Feature Generation for Pattern Recognition Problems. Studies in Computational Intelligence, 2017, , 775-785.	0.9	1
25	Detailed-contour insensitive features for automated analysis of breast masses in mammograms. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
26	Geometric indexing for recognition of places based on expanded delaunay triangulation. Intelligent Data Analysis, 2016, 20, S95-S107.	0.9	0
27	A Novel Set of Moment Invariants for Pattern Recognition Applications Based on Jacobi Polynomials. Lecture Notes in Computer Science, 2020, , 139-148.	1.3	0
28	Improved training of deep convolutional networks via minimum-variance regularized adaptive sampling. Soft Computing, 0, , .	3.6	0