

# Alfonso Rojas-Domínguez

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

600  
citations

1039880

9  
h-index

642610

23  
g-index

31  
all docs

31  
docs citations

31  
times ranked

636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling cancer immunoediting in tumor microenvironment with system characterization through the ising-model Hamiltonian. BMC Bioinformatics, 2022, 23, .	1.2	7
2	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.	0.9	3
3	A Novel Set of Moment Invariants for Pattern Recognition Applications Based on Jacobi Polynomials. Lecture Notes in Computer Science, 2020, , 139-148.	1.0	0
4	Modeling the Game of Go by Ising Hamiltonian, Deep Belief Networks and Common Fate Graphs. IEEE Access, 2019, 7, 120117-120127.	2.6	2
5	Symmetric-Approximation Energy-Based Estimation of Distribution (SEED): A Continuous Optimization Algorithm. IEEE Access, 2019, 7, 154859-154871.	2.6	4
6	Parameter optimization for the smoothed-particle hydrodynamics method by means of evolutionary metaheuristics. Computer Physics Communications, 2019, 243, 30-40.	3.0	7
7	Evolutionary Spiking Neural Networks for Solving Supervised Classification Problems. Computational Intelligence and Neuroscience, 2019, 2019, 1-13.	1.1	14
8	Optimal Hyper-Parameter Tuning of SVM Classifiers With Application to Medical Diagnosis. IEEE Access, 2018, 6, 7164-7176.	2.6	59
9	Automated classification of archaeological ceramic materials by means of texture measures. Journal of Archaeological Science: Reports, 2018, 21, 921-928.	0.2	9
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	Bio-inspired Metaheuristics for Hyper-parameter Tuning of Support Vector Machine Classifiers. Studies in Computational Intelligence, 2018, , 115-130.	0.7	4
12	Evolutionary Design of Problem-Adapted Image Descriptors for Texture Classification. IEEE Access, 2018, 6, 40450-40462.	2.6	5
13	A novel formulation of orthogonal polynomial kernel functions for SVM classifiers: The Gegenbauer family. Pattern Recognition, 2018, 84, 211-225.	5.1	57
14	Hyper-Parameter Tuning for Support Vector Machines by Estimation of Distribution Algorithms. Studies in Computational Intelligence, 2017, , 787-800.	0.7	22
15	Comparing Grammatical Evolution's Mapping Processes on Feature Generation for Pattern Recognition Problems. Studies in Computational Intelligence, 2017, , 775-785.	0.7	1
16	Geometric indexing for recognition of places based on expanded delaunay triangulation. Intelligent Data Analysis, 2016, 20, S95-S107.	0.4	0
17	Comparing Threshold-Selection Methods for Image Segmentation: Application to Defect Detection in Automated Visual Inspection Systems. Lecture Notes in Computer Science, 2016, , 33-43.	1.0	1
18	Gradient-Direction-Pattern Transform for Automated Measurement of Oil Drops in Images of Multiphase Dispersions. Chemical Engineering and Technology, 2015, 38, 327-335.	0.9	5

#	ARTICLE	IF	CITATIONS
19	Visualization of compound drops formation in multiphase processes for the identification of factors influencing bubble and water droplet inclusions in oil drops. <i>Chemical Engineering Research and Design</i> , 2012, 90, 1727-1738.	2.7	5
20	Toward breast cancer diagnosis based on automated segmentation of masses in mammograms. <i>Pattern Recognition</i> , 2009, 42, 1138-1148.	5.1	104
21	Development of tolerant features for characterization of masses in mammograms. <i>Computers in Biology and Medicine</i> , 2009, 39, 678-688.	3.9	36
22	Detection of masses in mammograms via statistically based enhancement, multilevel-thresholding segmentation, and region selection. <i>Computerized Medical Imaging and Graphics</i> , 2008, 32, 304-315.	3.5	99
23	Detailed-contour insensitive features for automated analysis of breast masses in mammograms. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008, , .	1.8	0
24	Improved dynamic programming-based algorithms for segmentation of masses in mammograms. <i>Medical Physics</i> , 2007, 34, 4256-4269.	1.6	38
25	Enhanced Multi-Level Thresholding Segmentation and Rank Based Region Selection for Detection of Masses in Mammograms. , 2007, , .		14
26	Practical scheme for fast detection and classification of rolling-element bearing faults using support vector machines. <i>Mechanical Systems and Signal Processing</i> , 2006, 20, 1523-1536.	4.4	79
27	Detection and Classification of Rolling-Element Bearing Faults using Support Vector Machines. , 0, , .		19
28	Improved training of deep convolutional networks via minimum-variance regularized adaptive sampling. <i>Soft Computing</i> , 0, , .	2.1	0