

Julian Dorado

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

1,842
citations

304602

22
h-index

289141

40
g-index

99
all docs

99
docs citations

99
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic epileptic seizure detection in EEGs based on line length feature and artificial neural networks. <i>Journal of Neuroscience Methods</i> , 2010, 191, 101-109.	1.3	360
2	Automatic feature extraction using genetic programming: An application to epileptic EEG classification. <i>Expert Systems With Applications</i> , 2011, 38, 10425-10436.	4.4	222
3	Prediction and modeling of the rainfall-runoff transformation of a typical urban basin using ann and gp. <i>Applied Artificial Intelligence</i> , 2003, 17, 329-343.	2.0	62
4	Trypano-PPI: A Web Server for Prediction of Unique Targets in Trypanosome Proteome by using Electrostatic Parameters of Protein-protein Interactions. <i>Journal of Proteome Research</i> , 2010, 9, 1182-1190.	1.8	61
5	Artificial Intelligence Techniques for Colorectal Cancer Drug Metabolism: Ontologies and Complex Networks. <i>Current Drug Metabolism</i> , 2010, 11, 347-368.	0.7	59
6	Classification of apple beverages using artificial neural networks with previous variable selection. <i>Analytica Chimica Acta</i> , 2004, 524, 225-234.	2.6	54
7	Random Forest classification based on star graph topological indices for antioxidant proteins. <i>Journal of Theoretical Biology</i> , 2013, 317, 331-337.	0.8	45
8	Complex Network Spectral Moments for ATCUN Motif DNA Cleavage: First Predictive Study on Proteins of Human Pathogen Parasites. <i>Journal of Proteome Research</i> , 2009, 8, 5219-5228.	1.8	42
9	Ontologies of Drug Discovery and Design for Neurology, Cardiology and Oncology. <i>Current Pharmaceutical Design</i> , 2010, 16, 2724-2736.	0.9	42
10	Generalized lattice graphs for 2D-visualization of biological information. <i>Journal of Theoretical Biology</i> , 2009, 261, 136-147.	0.8	41
11	Optical Fish Trajectory Measurement in Fishways through Computer Vision and Artificial Neural Networks. <i>Journal of Computing in Civil Engineering</i> , 2011, 25, 291-301.	2.5	35
12	A New Approach to the Extraction of ANN Rules and to Their Generalization Capacity Through GP. <i>Neural Computation</i> , 2004, 16, 1483-1523.	1.3	34
13	An artificial neural network improves the non-invasive diagnosis of significant fibrosis in HIV/HCV coinfecting patients. <i>Journal of Infection</i> , 2011, 62, 77-86.	1.7	31
14	Texture classification using feature selection and kernel-based techniques. <i>Soft Computing</i> , 2015, 19, 2469-2480.	2.1	30
15	Generation and simplification of Artificial Neural Networks by means of Genetic Programming. <i>Neurocomputing</i> , 2010, 73, 3200-3223.	3.5	29
16	Breast density classification to reduce false positives in CADe systems. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 569-584.	2.6	29
17	Evolutionary Computation and QSAR Research. <i>Current Computer-Aided Drug Design</i> , 2013, 9, 206-225.	0.8	28
18	Naïve Bayes QSDR classification based on spiral-graph Shannon entropies for protein biomarkers in human colon cancer. <i>Molecular BioSystems</i> , 2012, 8, 1716.	2.9	26

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19	Classification of signaling proteins based on molecular star graph descriptors using Machine Learning models. <i>Journal of Theoretical Biology</i> , 2015, 384, 50-58.	0.8	25
20	A methodology for the design of experiments in computational intelligence with multiple regression models. <i>PeerJ</i> , 2016, 4, e2721.	0.9	25
21	Star Graphs of Protein Sequences and Proteome Mass Spectra in Cancer Prediction. <i>Current Proteomics</i> , 2009, 6, 275-288.	0.1	24
22	Plasmod-PPI: A web-server predicting complex biopolymer targets in plasmodium with entropy measures of protein-protein interactions. <i>Polymer</i> , 2010, 51, 264-273.	1.8	24
23	The CHROMEVALOA Database: A Resource for the Evaluation of Okadaic Acid Contamination in the Marine Environment Based on the Chromatin-Associated Transcriptome of the Mussel <i>Mytilus galloprovincialis</i> . <i>Marine Drugs</i> , 2013, 11, 830-841.	2.2	22
24	Modifying genetic programming for artificial neural network development for data mining. <i>Soft Computing</i> , 2009, 13, 291-305.	2.1	20
25	MISS-Prot: web server for self/non-self discrimination of protein residue networks in parasites; theory and experiments in <i>Fasciola</i> peptides and <i>Anisakis</i> allergens. <i>Molecular BioSystems</i> , 2011, 7, 1938.	2.9	20
26	Improving enzyme regulatory protein classification by means of SVM-RFE feature selection. <i>Molecular BioSystems</i> , 2014, 10, 1063.	2.9	20
27	Classification of signals by means of Genetic Programming. <i>Soft Computing</i> , 2013, 17, 1929-1937.	2.1	18
28	Developing a Secure Low-Cost Radon Monitoring System. <i>Sensors</i> , 2020, 20, 752.	2.1	18
29	Machine Learning Techniques for Single Nucleotide Polymorphism Disease Classification Models in Schizophrenia. <i>Molecules</i> , 2010, 15, 4875-4889.	1.7	17
30	Hybrid Model Based on Genetic Algorithms and SVM Applied to Variable Selection within Fruit Juice Classification. <i>Scientific World Journal</i> , The, 2013, 2013, 1-13.	0.8	17
31	Texture analysis in gel electrophoresis images using an integrative kernel-based approach. <i>Scientific Reports</i> , 2016, 6, 19256.	1.6	17
32	Kernel-Based Feature Selection Techniques for Transport Proteins Based on Star Graph Topological Indices. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 1681-1691.	1.0	16
33	SELECTION OF VARIABLES BY GENETIC ALGORITHMS TO CLASSIFY APPLE BEVERAGES BY ARTIFICIAL NEURAL NETWORKS. <i>Applied Artificial Intelligence</i> , 2005, 19, 181-198.	2.0	15
34	A new hybrid evolutionary mechanism based on unsupervised learning for Connectionist Systems. <i>Neurocomputing</i> , 2007, 70, 2799-2808.	3.5	15
35	A new signal classification technique by means of Genetic Algorithms and kNN. , 2011, , .		15
36	Exploring Patterns of Epigenetic Information with Data Mining Techniques. <i>Current Pharmaceutical Design</i> , 2013, 19, 779-789.	0.9	15

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37	Genetic music compositor. , 0, , .		14
38	Computer vision applied to wave flume measurements. Ocean Engineering, 2009, 36, 1073-1079.	1.9	14
39	Two-dimensional gel electrophoresis image registration using block-matching techniques and deformation models. Analytical Biochemistry, 2014, 454, 53-59.	1.1	14
40	Prediction and Modelling of the Flow of a Typical Urban Basin through Genetic Programming. Lecture Notes in Computer Science, 2002, , 190-201.	1.0	14
41	Automatic seizure detection based on star graph topological indices. Journal of Neuroscience Methods, 2012, 209, 410-419.	1.3	13
42	Markov mean properties for cell death-related protein classification. Journal of Theoretical Biology, 2014, 349, 12-21.	0.8	13
43	Avoiding interference in planar arrays through the use of artificial neural networks. IEEE Antennas and Propagation Magazine, 2002, 44, 61-65.	1.2	11
44	Using genetic algorithms and k-nearest neighbour for automatic frequency band selection for signal classification. IET Signal Processing, 2012, 6, 186.	0.9	11
45	A Genetic Algorithm for ANN Design, Training and Simplification. Lecture Notes in Computer Science, 2009, , 391-398.	1.0	11
46	Time Series Forecast with Anticipation Using Genetic Programming. Lecture Notes in Computer Science, 2005, , 968-975.	1.0	10
47	Linking chemical knowledge and genetic algorithms using two populations and focused multimodal search. Chemometrics and Intelligent Laboratory Systems, 2007, 87, 173-184.	1.8	10
48	From Chemical Graphs in Computer-Aided Drug Design to General Markov-Galvez Indices of Drug-Target, Proteome, Drug-Parasitic Disease, Technological, and Social-Legal Networks. Current Computer-Aided Drug Design, 2011, 7, 315-337.	0.8	10
49	LECTINPred: web Server that Uses Complex Networks of Protein Structure for Prediction of Lectins with Potential Use as Cancer Biomarkers or in Parasite Vaccine Design. Molecular Informatics, 2014, 33, 276-285.	1.4	10
50	Chemically driven variable selection by focused multimodal genetic algorithms in mid-IR spectra. Analytical and Bioanalytical Chemistry, 2007, 389, 2331-2342.	1.9	8
51	Using Genetic Programming for Character Discrimination in Damaged Documents. Lecture Notes in Computer Science, 2004, , 349-358.	1.0	6
52	Automatic Design of ANNs by Means of GP for Data Mining Tasks: Iris Flower Classification Problem. Lecture Notes in Computer Science, 2007, , 276-285.	1.0	6
53	Approach for solving multimodal problems using Genetic Algorithms with Grouped into Species optimized with Predator-Prey. International Journal of Interactive Multimedia and Artificial Intelligence, 2012, 1, 6.	1.0	6
54	Using recurrent ANNs for the detection of epileptic seizures in EEG signals. , 2011, , .		5

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55	Differential Gene Expression Analysis of RNA-seq Data Using Machine Learning for Cancer Research. Learning and Analytics in Intelligent Systems, 2019, , 27-65.	0.5	5
56	Improvement of Epitope Prediction Using Peptide Sequence Descriptors and Machine Learning. International Journal of Molecular Sciences, 2019, 20, 4362.	1.8	5
57	A Tree Classifier for Automatic Breast Tissue Classification Based on BIRADS Categories. Lecture Notes in Computer Science, 2011, , 580-587.	1.0	4
58	Using genetic algorithms to improve support vector regression in the analysis of atomic spectra of lubricant oils. Engineering Computations, 2016, 33, 995-1005.	0.7	4
59	Diversity and Multimodal Search with a Hybrid Two-Population GA: An Application to ANN Development. Lecture Notes in Computer Science, 2005, , 382-390.	1.0	4
60	New Approaches in Data Integration for Systems Chemical Biology. Current Topics in Medicinal Chemistry, 2013, 13, 591-601.	1.0	4
61	Graph-Based Processing of Macromolecular Information. Current Bioinformatics, 2015, 10, 606-631.	0.7	4
62	Biomedical data integration in computational drug design and bioinformatics. Current Computer-Aided Drug Design, 2013, 9, 108-17.	0.8	4
63	Artificial Neural Networks Manipulation Server: Research on the Integration of Databases and Artificial Neural Networks. Neural Computing and Applications, 2002, 11, 3-16.	3.2	3
64	Evolving simple feed-forward and recurrent ANNs for signal classification: A comparison. , 2009, , .		3
65	Retrieval and management of medical information from heterogeneous sources, for its integration in a medical record visualisation tool. International Journal of Electronic Healthcare, 2010, 5, 371.	0.2	3
66	Automatic Recurrent and Feed-Forward ANN Rule and Expression Extraction with Genetic Programming. Lecture Notes in Computer Science, 2002, , 485-494.	1.0	3
67	Exploring patterns of epigenetic information with data mining techniques. Current Pharmaceutical Design, 2013, 19, 779-89.	0.9	3
68	Machine Learning-Based Radon Monitoring System. Chemosensors, 2022, 10, 239.	1.8	3
69	An Application Framework for Building Evolutionary Computer Systems in Music. Leonardo, 2003, 36, 61-64.	0.2	2
70	Biomedical Data Integration in Computational Drug Design and Bioinformatics. Current Computer-Aided Drug Design, 2013, 9, 108-117.	0.8	2
71	Net-Net AutoML Selection of Artificial Neural Network Topology for Brain Connectome Prediction. Applied Sciences (Switzerland), 2020, 10, 1308.	1.3	2
72	High Order Texture-Based Analysis in Biomedical Images. Current Medical Imaging, 2014, 9, 309-317.	0.4	2

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73	A Hybrid Evolutionary System for Automated Artificial Neural Networks Generation and Simplification in Biomedical Applications. <i>Current Bioinformatics</i> , 2015, 10, 672-691.	0.7	2
74	The Ability of MEAs Containing Cultured Neuroglial Networks to Process Information. <i>Current Bioinformatics</i> , 2011, 6, 199-214.	0.7	2
75	Hybrid Two-Population Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2001, , 464-470.	1.0	2
76	A model of virtual 'learning to learn'. , 0, , .		1
77	Motion estimation in real deformation processes based on block-matching techniques. , 2011, , .		1
78	Regulatory affairs issues and legal ontologies in drug development. <i>Frontiers in Bioscience - Elite</i> , 2013, E5, 446-460.	0.9	1
79	Classification of Two-channel Signals by Means of Genetic Programming. , 2015, , .		1
80	Clustering of Gene Expression Profiles Applied to Marine Research. <i>Lecture Notes in Computer Science</i> , 2013, , 453-462.	1.0	1
81	Database Analysis with ANNs by means of Graph Evolution. , 2013, , 704-718.		1
82	Database Analysis with ANNs by means of Graph Evolution. , 0, , 79-93.		1
83	Knowledge Management and Interactive Learning. <i>Lecture Notes in Computer Science</i> , 2004, , 481-482.	1.0	0
84	SNP locator: a candidate SNP selection tool. <i>International Journal of Data Mining, Modelling and Management</i> , 2013, 5, 193.	0.1	0
85	Editorial (Hot Topic: Artificial Intelligence Techniques in Medicinal Chemistry). <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 525-525.	1.0	0
86	Knowledge management for chronic patient control and monitoring. , 2014, , .		0
87	Texture Classification of Proteins Using Support Vector Machines and Bio-inspired Metaheuristics. <i>Communications in Computer and Information Science</i> , 2014, , 117-130.	0.4	0
88	Integrative multi-omics data-driven approach for metastasis prediction in cancer. , 2018, , .		0
89	Development of ANN with Adaptive Connections by CE. , 2006, , 71-93.		0
90	Artificial Cell Systems Based in Gene Expression Protein Effects. , 2009, , 146-164.		0

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91	Artificial Cell Model Used for Information Processing. , 2010, , 12-29.		0
92	NEURONSESSIONS: A Web-Based Collaborative Tool to Create Brain Computational Models. Advances in Experimental Medicine and Biology, 2010, 680, 635-642.	0.8	0
93	Artificial Cells for Information Processing: Iris Classification. Lecture Notes in Computer Science, 2011, , 44-52.	1.0	0
94	Exploring Patterns of Epigenetic Information with Data Mining Techniques. Current Pharmaceutical Design, 2012, 19, 779-789.	0.9	0
95	Editorial (Thematic Issue: Soft Computing, Content-Based Retrieval and Reconstruction in Medical) Tj ETQq1 1 0.784314 rgBT /Overl	0.4	0
96	Evaluation as a Continuous Improvement Process in the Learning of Programming Languages. Advances in Intelligent Systems and Computing, 2019, , 521-529.	0.5	0