

# 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	Machine Learning-Based Radon Monitoring System. Chemosensors, 2022, 10, 239.	1.8	3
2	Developing a Secure Low-Cost Radon Monitoring System. Sensors, 2020, 20, 752.	2.1	18
3	Net-Net AutoML Selection of Artificial Neural Network Topology for Brain Connectome Prediction. Applied Sciences (Switzerland), 2020, 10, 1308.	1.3	2
4	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
5	Improvement of Epitope Prediction Using Peptide Sequence Descriptors and Machine Learning. International Journal of Molecular Sciences, 2019, 20, 4362.	1.8	5
6	Evaluation as a Continuous Improvement Process in the Learning of Programming Languages. Advances in Intelligent Systems and Computing, 2019, , 521-529.	0.5	0
7	Integrative multi-omics data-driven approach for metastasis prediction in cancer. , 2018, , .		0
8	A methodology for the design of experiments in computational intelligence with multiple regression models. PeerJ, 2016, 4, e2721.	0.9	25
9	Texture analysis in gel electrophoresis images using an integrative kernel-based approach. Scientific Reports, 2016, 6, 19256.	1.6	17
10	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
11	Texture classification using feature selection and kernel-based techniques. Soft Computing, 2015, 19, 2469-2480.	2.1	30
12	Classification of signaling proteins based on molecular star graph descriptors using Machine Learning models. Journal of Theoretical Biology, 2015, 384, 50-58.	0.8	25
13	Classification of Two-channel Signals by Means of Genetic Programming. , 2015, , .		1
14	Graph-Based Processing of Macromolecular Information. Current Bioinformatics, 2015, 10, 606-631.	0.7	4
15	A Hybrid Evolutionary System for Automated Artificial Neural Networks Generation and Simplification in Biomedical Applications. Current Bioinformatics, 2015, 10, 672-691.	0.7	2
16	Knowledge management for chronic patient control and monitoring. , 2014, , .		0
17	Texture Classification of Proteins Using Support Vector Machines and Bio-inspired Metaheuristics. Communications in Computer and Information Science, 2014, , 117-130.	0.4	0
18	Two-dimensional gel electrophoresis image registration using block-matching techniques and deformation models. Analytical Biochemistry, 2014, 454, 53-59.	1.1	14

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19	Markov mean properties for cell death-related protein classification. <i>Journal of Theoretical Biology</i> , 2014, 349, 12-21.	0.8	13
20	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
21	Improving enzyme regulatory protein classification by means of SVM-RFE feature selection. <i>Molecular BioSystems</i> , 2014, 10, 1063.	2.9	20
22	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. <i>Molecular Informatics</i> , 2014, 33, 276-285.	1.4	10
23	High Order Texture-Based Analysis in Biomedical Images. <i>Current Medical Imaging</i> , 2014, 9, 309-317.	0.4	2
24	Editorial (Thematic Issue: Soft Computing, Content-Based Retrieval and Reconstruction in Medical) <i>Tj ETQqO O O rgBT/Overlock 10 Tf 50</i>	0.4	0
25	Classification of signals by means of Genetic Programming. <i>Soft Computing</i> , 2013, 17, 1929-1937.	2.1	18
26	SNP locator: a candidate SNP selection tool. <i>International Journal of Data Mining, Modelling and Management</i> , 2013, 5, 193.	0.1	0
27	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
28	Exploring Patterns of Epigenetic Information with Data Mining Techniques. <i>Current Pharmaceutical Design</i> , 2013, 19, 779-789.	0.9	15
29	Biomedical Data Integration in Computational Drug Design and Bioinformatics. <i>Current Computer-Aided Drug Design</i> , 2013, 9, 108-117.	0.8	2
30	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
31	Hybrid Model Based on Genetic Algorithms and SVM Applied to Variable Selection within Fruit Juice Classification. <i>Scientific World Journal, The</i> , 2013, 2013, 1-13.	0.8	17
32	Editorial (Hot Topic: Artificial Intelligence Techniques in Medicinal Chemistry). <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 525-525.	1.0	0
33	Regulatory affairs issues and legal ontologies in drug development. <i>Frontiers in Bioscience - Elite</i> , 2013, E5, 446-460.	0.9	1
34	Clustering of Gene Expression Profiles Applied to Marine Research. <i>Lecture Notes in Computer Science</i> , 2013, , 453-462.	1.0	1
35	New Approaches in Data Integration for Systems Chemical Biology. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 591-601.	1.0	4
36	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

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37	Evolutionary Computation and QSAR Research. <i>Current Computer-Aided Drug Design</i> , 2013, 9, 206-225.	0.8	28
38	Database Analysis with ANNs by means of Graph Evolution. , 2013, , 704-718.		1
39	Exploring patterns of epigenetic information with data mining techniques. <i>Current Pharmaceutical Design</i> , 2013, 19, 779-89.	0.9	3
40	Biomedical data integration in computational drug design and bioinformatics. <i>Current Computer-Aided Drug Design</i> , 2013, 9, 108-17.	0.8	4
41	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
42	Automatic seizure detection based on star graph topological indices. <i>Journal of Neuroscience Methods</i> , 2012, 209, 410-419.	1.3	13
43	Using genetic algorithms and k-nearest neighbour for automatic frequency band selection for signal classification. <i>IET Signal Processing</i> , 2012, 6, 186.	0.9	11
44	Approach for solving multimodal problems using Genetic Algorithms with Grouped into Species optimized with Predator-Prey. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2012, 1, 6.	1.0	6
45	Exploring Patterns of Epigenetic Information with Data Mining Techniques. <i>Current Pharmaceutical Design</i> , 2012, 19, 779-789.	0.9	0
46	Motion estimation in real deformation processes based on block-matching techniques. , 2011, , .		1
47	A new signal classification technique by means of Genetic Algorithms and kNN. , 2011, , .		15
48	Using recurrent ANNs for the detection of epileptic seizures in EEG signals. , 2011, , .		5
49	A Tree Classifier for Automatic Breast Tissue Classification Based on BIRADS Categories. <i>Lecture Notes in Computer Science</i> , 2011, , 580-587.	1.0	4
50	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
51	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
52	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
53	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. <i>Current Computer-Aided Drug Design</i> , 2011, 7, 315-337.	0.8	10
54	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

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55	The Ability of MEAs Containing Cultured Neuroglial Networks to Process Information. <i>Current Bioinformatics</i> , 2011, 6, 199-214.	0.7	2
56	Artificial Cells for Information Processing: Iris Classification. <i>Lecture Notes in Computer Science</i> , 2011, , 44-52.	1.0	0
57	Artificial Intelligence Techniques for Colorectal Cancer Drug Metabolism: Ontologies and Complex Networks. <i>Current Drug Metabolism</i> , 2010, 11, 347-368.	0.7	59
58	Retrieval and management of medical information from heterogeneous sources, for its integration in a medical record visualisation tool. <i>International Journal of Electronic Healthcare</i> , 2010, 5, 371.	0.2	3
59	Generation and simplification of Artificial Neural Networks by means of Genetic Programming. <i>Neurocomputing</i> , 2010, 73, 3200-3223.	3.5	29
60	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
61	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
62	Machine Learning Techniques for Single Nucleotide Polymorphism Disease Classification Models in Schizophrenia. <i>Molecules</i> , 2010, 15, 4875-4889.	1.7	17
63	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
64	Ontologies of Drug Discovery and Design for Neurology, Cardiology and Oncology. <i>Current Pharmaceutical Design</i> , 2010, 16, 2724-2736.	0.9	42
65	Artificial Cell Model Used for Information Processing. , 2010, , 12-29.		0
66	NEURONSESSIONS: A Web-Based Collaborative Tool to Create Brain Computational Models. <i>Advances in Experimental Medicine and Biology</i> , 2010, 680, 635-642.	0.8	0
67	Star Graphs of Protein Sequences and Proteome Mass Spectra in Cancer Prediction. <i>Current Proteomics</i> , 2009, 6, 275-288.	0.1	24
68	Modifying genetic programming for artificial neural network development for data mining. <i>Soft Computing</i> , 2009, 13, 291-305.	2.1	20
69	Computer vision applied to wave flume measurements. <i>Ocean Engineering</i> , 2009, 36, 1073-1079.	1.9	14
70	Generalized lattice graphs for 2D-visualization of biological information. <i>Journal of Theoretical Biology</i> , 2009, 261, 136-147.	0.8	41
71	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
72	Evolving simple feed-forward and recurrent ANNs for signal classification: A comparison. , 2009, , .		3

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73	A Genetic Algorithm for ANN Design, Training and Simplification. Lecture Notes in Computer Science, 2009, , 391-398.	1.0	11
74	Artificial Cell Systems Based in Gene Expression Protein Effects. , 2009, , 146-164.		0
75	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
76	A new hybrid evolutionary mechanism based on unsupervised learning for Connectionist Systems. Neurocomputing, 2007, 70, 2799-2808.	3.5	15
77	Chemically driven variable selection by focused multimodal genetic algorithms in mid-IR spectra. Analytical and Bioanalytical Chemistry, 2007, 389, 2331-2342.	1.9	8
78	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
79	Development of ANN with Adaptive Connections by CE. , 2006, , 71-93.		0
80	Time Series Forecast with Anticipation Using Genetic Programming. Lecture Notes in Computer Science, 2005, , 968-975.	1.0	10
81	SELECTION OF VARIABLES BY GENETIC ALGORITHMS TO CLASSIFY APPLE BEVERAGES BY ARTIFICIAL NEURAL NETWORKS. Applied Artificial Intelligence, 2005, 19, 181-198.	2.0	15
82	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
83	A New Approach to the Extraction of ANN Rules and to Their Generalization Capacity Through GP. Neural Computation, 2004, 16, 1483-1523.	1.3	34
84	Classification of apple beverages using artificial neural networks with previous variable selection. Analytica Chimica Acta, 2004, 524, 225-234.	2.6	54
85	Knowledge Management and Interactive Learning. Lecture Notes in Computer Science, 2004, , 481-482.	1.0	0
86	Using Genetic Programming for Character Discrimination in Damaged Documents. Lecture Notes in Computer Science, 2004, , 349-358.	1.0	6
87	Prediction and modeling of the rainfall-runoff transformation of a typical urban basin using ann and gp. Applied Artificial Intelligence, 2003, 17, 329-343.	2.0	62
88	An Application Framework for Building Evolutionary Computer Systems in Music. Leonardo, 2003, 36, 61-64.	0.2	2
89	Avoiding interference in planar arrays through the use of artificial neural networks. IEEE Antennas and Propagation Magazine, 2002, 44, 61-65.	1.2	11
90	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

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91	Automatic Recurrent and Feed-Forward ANN Rule and Expression Extraction with Genetic Programming. Lecture Notes in Computer Science, 2002, , 485-494.	1.0	3
92	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
93	Hybrid Two-Population Genetic Algorithm. Lecture Notes in Computer Science, 2001, , 464-470.	1.0	2
94	A model of virtual 'learning to learn'. , 0, , .		1
95	Genetic music compositor. , 0, , .		14
96	Database Analysis with ANNs by means of Graph Evolution. , 0, , 79-93.		1