JosÃ© D MartÃ-n-Guerrero

List of Publications by Year
in descending order

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113	2,598	185998	223531
papers	citations	28 h-index	46 g-index

115	115	115	2524
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robust support vector method for hyperspectral data classification and knowledge discovery. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1530-1542.	2.7	236
2	Regularized extreme learning machine for regression problems. Neurocomputing, 2011, 74, 3716-3721.	3.5	163
3	Female Sex Is a Risk Factor Associated with Long-Term Post-COVID Related-Symptoms but Not with COVID-19 Symptoms: The LONG-COVID-EXP-CM Multicenter Study. Journal of Clinical Medicine, 2022, 11, 413.	1.0	146
4	BELM: Bayesian Extreme Learning Machine. IEEE Transactions on Neural Networks, 2011, 22, 505-509.	4.8	129
5	Single trajectory characterization via machine learning. New Journal of Physics, 2020, 22, 013010.	1.2	84
6	A finite element-based machine learning approach for modeling the mechanical behavior of the breast tissues under compression in real-time. Computers in Biology and Medicine, 2017, 90, 116-124.	3.9	76
7	Detecting rottenness caused by Penicillium genus fungi in citrus fruits using machine learning techniques. Expert Systems With Applications, 2012, 39, 780-785.	4.4	75
8	A new machine learning approach for predicting the response to anemia treatment in a large cohort of End Stage Renal Disease patients undergoing dialysis. Computers in Biology and Medicine, 2015, 61, 56-61.	3.9	63
9	Unbiased sensitivity analysis and pruning techniques in neural networks for surface ozone modelling. Ecological Modelling, 2005, 182, 149-158.	1.2	62
10	Neural networks for analysing the relevance of input variables in the prediction of tropospheric ozone concentration. Atmospheric Environment, 2006, 40, 6173-6180.	1.9	62
11	Optimization of anemia treatment in hemodialysis patients via reinforcement learning. Artificial Intelligence in Medicine, 2014, 62, 47-60.	3.8	55
12	Dosage individualization of erythropoietin using a profile-dependent support vector regression. IEEE Transactions on Biomedical Engineering, 2003, 50, 1136-1142.	2.5	49
13	Quantum autoencoders via quantum adders with genetic algorithms. Quantum Science and Technology, 2019, 4, 014007.	2.6	42
14	Fuzzy sigmoid kernel for support vector classifiers. Neurocomputing, 2004, 62, 501-506.	3.5	41
15	A reinforcement learning approach for individualizing erythropoietin dosages in hemodialysis patients. Expert Systems With Applications, 2009, 36, 9737-9742.	4.4	40
16	A low-complexity fuzzy activation function for artificial neural networks. IEEE Transactions on Neural Networks, 2003, 14, 1576-1579.	4.8	38
17	Supervised Quantum Learning without Measurements. Scientific Reports, 2017, 7, 13645.	1.6	38
18	Symptoms Experienced at the Acute Phase of SARS-CoV-2 Infection as Risk Factor of Long-term Post-COVID Symptoms: The LONG-COVID-EXP-CM Multicenter Study. International Journal of Infectious Diseases, 2022, 116, 241-244.	1.5	38

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19	Predicting service request in support centers based on nonlinear dynamics, ARMA modeling and neural networks. Expert Systems With Applications, 2008, 34, 665-672.	4.4	36
20	A framework for modelling the biomechanical behaviour of the human liver during breathing in real time using machine learning. Expert Systems With Applications, 2017, 71, 342-357.	4.4	35
21	Deep learning for fully automatic detection, segmentation, and Gleason grade estimation of prostate cancer in multiparametric magnetic resonance images. Scientific Reports, 2022, 12, 2975.	1.6	34
22	Associated-Onset Symptoms and Post-COVID-19 Symptoms in Hospitalized COVID-19 Survivors Infected with Wuhan, Alpha or Delta SARS-CoV-2 Variant. Pathogens, 2022, 11, 725.	1.2	34
23	Prediction of cyclosporine dosage in patients after kidney transplantation using neural networks. IEEE Transactions on Biomedical Engineering, 2003, 50, 442-448.	2.5	33
24	Use of neural networks for dosage individualisation of erythropoietin in patients with secondary anemia to chronic renal failure. Computers in Biology and Medicine, 2003, 33, 361-373.	3.9	32
25	Prediction of the hemoglobin level in hemodialysis patients using machine learning techniques. Computer Methods and Programs in Biomedicine, 2014, 117, 208-217.	2.6	32
26	A new approach based on Machine Learning for predicting corneal curvature (K1) and astigmatism in patients with keratoconus after intracorneal ring implantation. Computer Methods and Programs in Biomedicine, 2014, 116, 39-47.	2.6	32
27	Neural networks for animal science applications: Two case studies. Expert Systems With Applications, 2006, 31, 444-450.	4.4	31
28	Data Mining in Cancer Research [Application Notes. IEEE Computational Intelligence Magazine, 2010, 5, 14-18.	3.4	31
29	Toward pricing financial derivatives with an IBM quantum computer. Physical Review Research, 2021, 3, .	1.3	31
30	Quantum Machine Learning: A tutorial. Neurocomputing, 2022, 470, 457-461.	3.5	30
31	Studying the feasibility of a recommender in a citizen web portal based on user modeling and clustering algorithms. Expert Systems With Applications, 2006, 30, 299-312.	4.4	29
32	Real-time biomechanical modeling of the liver using Machine Learning models trained on Finite Element Method simulations. Expert Systems With Applications, 2020, 143, 113083.	4.4	29
33	A Teaching Laboratory in Analog Electronics: Changes to Address the Bologna Requirements. IEEE Transactions on Education, 2008, 51, 456-460.	2.0	25
34	Breaking adiabatic quantum control with deep learning. Physical Review A, 2021, 103, .	1.0	25
35	Performance of a Predictive Model for Long-Term Hemoglobin Response to Darbepoetin and Iron Administration in a Large Cohort of Hemodialysis Patients. PLoS ONE, 2016, 11, e0148938.	1.1	25
36	Profiled support vector machines for antisense oligonucleotide efficacy prediction. BMC Bioinformatics, 2004, 5, 135.	1.2	24

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37	Artificial neural networks for predicting dorsal pressures on the foot surface while walking. Expert Systems With Applications, 2012, 39, 5349-5357.	4.4	24
38	Estimation of the elastic parameters of human liver biomechanical models by means of medical images and evolutionary computation. Computer Methods and Programs in Biomedicine, 2013, 111, 537-549.	2.6	24
39	Infrared thermography is useful for ruling out fractures in paediatric emergencies. European Journal of Pediatrics, 2015, 174, 493-499.	1.3	24
40	A Novel Approach to Introducing Adaptive Filters Based on the LMS Algorithm and Its Variants. IEEE Transactions on Education, 2004, 47, 127-133.	2.0	23
41	Clustering analysis reveals different profiles associating long-term post-COVID symptoms, COVID-19 symptoms at hospital admission and previous medical co-morbidities in previously hospitalized COVID-19 survivors. Infection, 2023, 51, 61-69.	2.3	22
42	Weekly milk prediction on dairy goats using neural networks. Neural Computing and Applications, 2007, 16, 373-381.	3.2	21
43	Trajectory curves of post-COVID anxiety/depressive symptoms and sleep quality in previously hospitalized COVID-19 survivors: the LONG-COVID-EXP-CM multicenter study. Psychological Medicine, 2023, 53, 4298-4299.	2.7	21
44	Self-Organising Maps: A new way to screen the level of satisfaction of dialysis patients. Expert Systems With Applications, 2012, 39, 8793-8798.	4.4	18
45	A Novel Semi-Supervised Methodology for Extracting Tumor Type-Specific MRS Sources in Human Brain Data. PLoS ONE, 2013, 8, e83773.	1.1	18
46	The use of neural networks for predicting the result of endoscopic treatment for vesico-ureteric reflux. BJU International, 2004, 94, 120-122.	1.3	17
47	Web mining based on Growing Hierarchical Self-Organizing Maps: Analysis of a real citizen web portalâ˜†. Expert Systems With Applications, 2008, 34, 2988-2994.	4.4	17
48	Assigning discounts in a marketing campaign by using reinforcement learning and neural networks. Expert Systems With Applications, 2009, 36, 8022-8031.	4.4	16
49	Reinforcement Learning and Physics. Applied Sciences (Switzerland), 2021, 11, 8589.	1.3	16
50	An integrated framework for risk profiling of breast cancer patients following surgery. Artificial Intelligence in Medicine, 2008, 42, 165-188.	3.8	14
51	Use of Self-Organizing Maps for Balanced Scorecard analysis to monitor the performance of dialysis clinic chains. Health Care Management Science, 2012, 15, 79-90.	1.5	14
52	Retrieving Quantum Information with Active Learning. Physical Review Letters, 2020, 124, 140504.	2.9	14
53	Post-COVID functional limitations on daily living activities are associated with symptoms experienced at the acute phase of SARS-CoV-2 infection and internal care unit admission: A multicenter study. Journal of Infection, 2021, , .	1.7	13
54	Steady-state and tracking analysis of a robust adaptive filter with low computational cost. Signal Processing, 2007, 87, 210-215.	2.1	12

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55	Enhanced prediction of hemoglobin concentration in a very large cohort of hemodialysis patients by means of deep recurrent neural networks. Artificial Intelligence in Medicine, 2020, 107, 101898.	3.8	12
56	Experimentally realizing efficient quantum control with reinforcement learning. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	2.0	12
57	Quantum clustering in non-spherical data distributions: Finding a suitable number of clusters. Neurocomputing, 2017, 268, 127-141.	3.5	11
58	Exploring the recovery curve for long-term post-COVID dyspnea and fatigue. European Journal of Internal Medicine, 2022, 101, 120-123.	1.0	11
59	Robust adaptive algorithm with low computational cost. Electronics Letters, 2006, 42, 60.	0.5	10
60	An approach based on the Adaptive Resonance Theory for analysing the viability of recommender systems in a citizen Web portal. Expert Systems With Applications, 2007, 33, 743-753.	4.4	10
61	Least-squares temporal difference learning based on an extreme learning machine. Neurocomputing, 2014, 141, 37-45.	3.5	10
62	Probabilistic quantum clustering. Knowledge-Based Systems, 2020, 194, 105567.	4.0	10
63	The number of symptoms at the acute COVID-19 phase is associated with anxiety and depressive long-term post-COVID symptoms: A multicenter study. Journal of Psychosomatic Research, 2021, 150, 110625.	1.2	10
64	Risk Assessment of Hip Fracture Based on Machine Learning. Applied Bionics and Biomechanics, 2020, 2020, 1-13.	0.5	10
65	Gastrointestinal symptoms at the acute COVID-19 phase are risk factors for developing gastrointestinal post-COVID symptoms: a multicenter study. Internal and Emergency Medicine, 2022, 17, 583-586.	1.0	10
66	Online fitted policy iteration based on extreme learning machines. Knowledge-Based Systems, 2016, 100, 200-211.	4.0	9
67	Exploring the trajectory recovery curve of the number of post-COVID Symptoms: The LONG-COVID-EXP-CM Multicenter Study. International Journal of Infectious Diseases, 2022, 117, 201-203.	1.5	9
68	Regression Modeling of the Antioxidant-to-Nephroprotective Relation Shows the Pivotal Role of Oxidative Stress in Cisplatin Nephrotoxicity. Antioxidants, 2021, 10, 1355.	2.2	8
69	Exploring trajectory recovery curves of post-COVID cognitive symptoms in previously hospitalized COVID-19 survivors: the LONG-COVID-EXP-CM multicenter study. Journal of Neurology, 2022, 269, 4613-4617.	1.8	8
70	Qualitative analysis of goat and sheep production data using selfâ€organizing maps. Expert Systems, 2009, 26, 191-201.	2.9	7
71	Machine Learning for Modeling the Biomechanical Behavior of Human Soft Tissue. , 2016, , .		7
72	The presence of rheumatological conditions is not a risk factor of long-term post-COVID symptoms after SARS-CoV-2 infection: a multicenter study. Clinical Rheumatology, 2022, 41, 585-586.	1.0	7

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73	Neural networks as effective techniques in clinical management of patients: some case studies. Transactions of the Institute of Measurement and Control, 2004, 26, 169-183.	1.1	6
74	Crane collision modelling using a neural network approach. Expert Systems With Applications, 2004, 27, 341-348.	4.4	6
75	A principled approach to network-based classification and data representation. Neurocomputing, 2013, 112, 79-91.	3.5	6
76	Neural Network-Based Calculator for Rat Glomerular Filtration Rate. Biomedicines, 2022, 10, 610.	1.4	6
77	Description and evaluation of an introductory course to Matlab for a heterogeneous group of university students. Computer Applications in Engineering Education, 2010, 18, 750-756.	2.2	5
78	A Matlab based interface for infrared thermographic diagnosis of pediatric musculoskeletal injuries. Infrared Physics and Technology, 2016, 76, 500-503.	1.3	5
79	A new visualization tool for data mining techniques. Progress in Artificial Intelligence, 2016, 5, 137-154.	1.5	5
80	Use of SOMs for footwear comfort evaluation. Neural Computing and Applications, 2017, 28, 1763-1773.	3.2	5
81	Patient Profiling Based on Spectral Clustering for an Enhanced Classification of Patients with Tension-Type Headache. Applied Sciences (Switzerland), 2020, 10, 9109.	1.3	5
82	Exploring the recovery curves for long-term post-COVID functional limitations on daily living activities: The LONG-COVID-EXP-CM multicenter study. Journal of Infection, 2022, 84, 722-746.	1.7	5
83	Efficient pruning of multilayer perceptrons using a fuzzy sigmoid activation function. Neurocomputing, 2006, 69, 909-912.	3.5	4
84	Mathematical Modeling for Neuropathic Pain: Bayesian Linear Regression and Self-Organizing Maps Applied to Carpal Tunnel Syndrome. Symmetry, 2020, 12, 1581.	1.1	4
85	Kernel methods for HyMap imagery knowledge discovery. , 2004, , .		3
86	Non-linear RLS-based algorithm for pattern classification. Signal Processing, 2006, 86, 1104-1108.	2.1	3
87	Spectral Clustering Reveals Different Profiles of Central Sensitization in Women with Carpal Tunnel Syndrome. Symmetry, 2021, 13, 1042.	1.1	3
88	Robust Resolution-Enhanced Prostate Segmentation in Magnetic Resonance and Ultrasound Images through Convolutional Neural Networks. Applied Sciences (Switzerland), 2021, 11, 844.	1.3	3
89	Use of Reinforcement Learning in Two Real Applications. Lecture Notes in Computer Science, 2008, , 191-204.	1.0	3
90	How to assess the risks associated with the usage of a medical device based on predictive modeling: the case of an anemia control model certified as medical device. Expert Review of Medical Devices, 2021, 18, 1117-1121.	1.4	3

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91	Exploring Trajectory Curves from Loss of Smell and Taste in Previously Hospitalized COVID-19 Survivors: the LONG-COVID-EXP-CM Multicenter Study. Journal of General Internal Medicine, 2022, 37, 1821-1823.	1.3	3
92	Exploring the recovery curve for gastrointestinal symptoms from the acute COVIDâ€19 phase to longâ€term postâ€COVID: The LONGâ€COVIDâ€EXPâ€CM Multicenter Study. Journal of Medical Virology, 2022, 94, 2925-2927.	4.5	3
93	Active learning for the optimal design of multinomial classification in physics. Physical Review Research, 2022, 4, .	1.3	3
94	Maximum Likelihood Estimation and Non-Linear Least Squares Fitting Implementation in FPGA Devices for High Resolution Hodoscopy. IEEE Transactions on Nuclear Science, 2013, 60, 3578-3584.	1.2	2
95	Improving Mortality Prediction in Cardiovascular Risk Patients by Balancing Classes. , 2015, , .		2
96	Making nonlinear manifold learning models interpretable: The manifold grand tour. Expert Systems With Applications, 2015, 42, 8982-8988.	4.4	2
97	Robust Conditional Independence maps of single-voxel Magnetic Resonance Spectra to elucidate associations between brain tumours and metabolites. PLoS ONE, 2020, 15, e0235057.	1.1	2
98	Validation of a Reinforcement Learning Policy for Dosage Optimization of Erythropoietin. Lecture Notes in Computer Science, 2007, , 732-738.	1.0	2
99	Quantum pattern recognition in photonic circuits. Quantum Science and Technology, 2022, 7, 015010.	2.6	2
100	Bayesian Linear Regressions Applied to Fibromyalgia Syndrome for Understanding the Complexity of This Disorder. International Journal of Environmental Research and Public Health, 2022, 19, 4682.	1.2	2
101	Quantum Brain Networks: A Perspective. Electronics (Switzerland), 2022, 11, 1528.	1.8	2
102	A soft approach to ERA algorithm for hyperspectral image classification. , 0, , .		1
103	Robust automatic classification method for hyperspectral imagery. , 2004, 5238, 398.		1
104	Adaptive treatment of anemia on hemodialysis patients: A reinforcement learning approach. , 2011, , .		1
105	Study and simulation of the read-out electronics design for a high-resolution plastic scintillating fiber based hodoscope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 232-235.	0.7	1
106	Scalable implementation of measuring distances in a Riemannian manifold based on the Fisher Information metric. , 2019, , .		1
107	Music genre profiling based on Fisher manifolds and Probabilistic Quantum Clustering. Neural Computing and Applications, 2021, 33, 7521-7539.	3.2	1
108	Machine Learning Methods for One-Session Ahead Prediction of Accesses to Page Categories. Lecture Notes in Computer Science, 2004, , 421-424.	1.0	1

#	Article	IF	Citations
109	Reply to Ayuso GarcÃa et al. Health Perception among Female COVID-19 Patients. Comment on â€œFernÃ¡ndez-de-las-PeÃ±as et al. Female Sex Is a Risk Factor Associated with Long-Term Post-COVID Related-Symptoms but Not with COVID-19 Symptoms: The LONG-COVID-EXP-CM Multicenter Study. J. Clin. Med. 2022, 11, 413â€. Journal of Clinical Medicine, 2022, 11, 3616.	1.0	1
110	Enhancing decision-based neural networks through local competition. Neurocomputing, 2006, 69, 905-908.	3.5	0
111	Sectors on sectors (SonS): A new hierarchical clustering visualization tool. , 2011, , .		0
112	AIM in Hemodialysis. , 2021, , 1-14.		0
113	AIM in Hemodialysis. , 2022, , 579-592.		0