

JosÃ© D MartÃ­n-Guerrero

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

2,598
citations

185998

28
h-index

223531

46
g-index

115
all docs

115
docs citations

115
times ranked

2524
citing authors

#	ARTICLE	IF	CITATIONS
1	Trajectory curves of post-COVID anxiety/depressive symptoms and sleep quality in previously hospitalized COVID-19 survivors: the LONG-COVID-EXP-CM multicenter study. <i>Psychological Medicine</i> , 2023, 53, 4298-4299.	2.7	21
2	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. <i>Infection</i> , 2023, 51, 61-69.	2.3	22
3	Quantum Machine Learning: A tutorial. <i>Neurocomputing</i> , 2022, 470, 457-461.	3.5	30
4	The presence of rheumatological conditions is not a risk factor of long-term post-COVID symptoms after SARS-CoV-2 infection: a multicenter study. <i>Clinical Rheumatology</i> , 2022, 41, 585-586.	1.0	7
5	Gastrointestinal symptoms at the acute COVID-19 phase are risk factors for developing gastrointestinal post-COVID symptoms: a multicenter study. <i>Internal and Emergency Medicine</i> , 2022, 17, 583-586.	1.0	10
6	Quantum pattern recognition in photonic circuits. <i>Quantum Science and Technology</i> , 2022, 7, 015010.	2.6	2
7	Exploring the recovery curves for long-term post-COVID functional limitations on daily living activities: The LONG-COVID-EXP-CM multicenter study. <i>Journal of Infection</i> , 2022, 84, 722-746.	1.7	5
8	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. <i>International Journal of Infectious Diseases</i> , 2022, 116, 241-244.	1.5	38
9	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. <i>Journal of Clinical Medicine</i> , 2022, 11, 413.	1.0	146
10	Exploring the trajectory recovery curve of the number of post-COVID Symptoms: The LONG-COVID-EXP-CM Multicenter Study. <i>International Journal of Infectious Diseases</i> , 2022, 117, 201-203.	1.5	9
11	AIM in Hemodialysis. , 2022, , 579-592.		0
12	Deep learning for fully automatic detection, segmentation, and Gleason grade estimation of prostate cancer in multiparametric magnetic resonance images. <i>Scientific Reports</i> , 2022, 12, 2975.	1.6	34
13	Exploring Trajectory Curves from Loss of Smell and Taste in Previously Hospitalized COVID-19 Survivors: the LONG-COVID-EXP-CM Multicenter Study. <i>Journal of General Internal Medicine</i> , 2022, 37, 1821-1823.	1.3	3
14	Exploring the recovery curve for gastrointestinal symptoms from the acute COVID-19 phase to long-term post-COVID: The LONG-COVID-EXP-CM Multicenter Study. <i>Journal of Medical Virology</i> , 2022, 94, 2925-2927.	1.5	3
15	Active learning for the optimal design of multinomial classification in physics. <i>Physical Review Research</i> , 2022, 4, .	1.3	3
16	Experimentally realizing efficient quantum control with reinforcement learning. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	2.0	12
17	Neural Network-Based Calculator for Rat Glomerular Filtration Rate. <i>Biomedicines</i> , 2022, 10, 610.	1.4	6
18	Bayesian Linear Regressions Applied to Fibromyalgia Syndrome for Understanding the Complexity of This Disorder. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4682.	1.2	2

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19	Exploring the recovery curve for long-term post-COVID dyspnea and fatigue. <i>European Journal of Internal Medicine</i> , 2022, 101, 120-123.	1.0	11
20	Quantum Brain Networks: A Perspective. <i>Electronics (Switzerland)</i> , 2022, 11, 1528.	1.8	2
21	Exploring trajectory recovery curves of post-COVID cognitive symptoms in previously hospitalized COVID-19 survivors: the LONG-COVID-EXP-CM multicenter study. <i>Journal of Neurology</i> , 2022, 269, 4613-4617.	1.8	8
22	Reply to Ayuso García et al. Health Perception among Female COVID-19 Patients. Comment on Fernández-de-las-Peñas 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. <i>J. Clin. Med.</i> 2022, 11, 413. <i>Journal of Clinical Medicine</i> , 2022, 11, 3616.	1.0	1
23	Associated-Onset Symptoms and Post-COVID-19 Symptoms in Hospitalized COVID-19 Survivors Infected with Wuhan, Alpha or Delta SARS-CoV-2 Variant. <i>Pathogens</i> , 2022, 11, 725.	1.2	34
24	Music genre profiling based on Fisher manifolds and Probabilistic Quantum Clustering. <i>Neural Computing and Applications</i> , 2021, 33, 7521-7539.	3.2	1
25	AIM in Hemodialysis. , 2021, , 1-14.		0
26	Toward pricing financial derivatives with an IBM quantum computer. <i>Physical Review Research</i> , 2021, 3, .	1.3	31
27	Breaking adiabatic quantum control with deep learning. <i>Physical Review A</i> , 2021, 103, .	1.0	25
28	Spectral Clustering Reveals Different Profiles of Central Sensitization in Women with Carpal Tunnel Syndrome. <i>Symmetry</i> , 2021, 13, 1042.	1.1	3
29	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. <i>Journal of Infection</i> , 2021, , .	1.7	13
30	Regression Modeling of the Antioxidant-to-Nephroprotective Relation Shows the Pivotal Role of Oxidative Stress in Cisplatin Nephrotoxicity. <i>Antioxidants</i> , 2021, 10, 1355.	2.2	8
31	Reinforcement Learning and Physics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8589.	1.3	16
32	The number of symptoms at the acute COVID-19 phase is associated with anxiety and depressive long-term post-COVID symptoms: A multicenter study. <i>Journal of Psychosomatic Research</i> , 2021, 150, 110625.	1.2	10
33	Robust Resolution-Enhanced Prostate Segmentation in Magnetic Resonance and Ultrasound Images through Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 844.	1.3	3
34	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. <i>Expert Review of Medical Devices</i> , 2021, 18, 1117-1121.	1.4	3
35	Single trajectory characterization via machine learning. <i>New Journal of Physics</i> , 2020, 22, 013010.	1.2	84
36	Real-time biomechanical modeling of the liver using Machine Learning models trained on Finite Element Method simulations. <i>Expert Systems With Applications</i> , 2020, 143, 113083.	4.4	29

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37	Mathematical Modeling for Neuropathic Pain: Bayesian Linear Regression and Self-Organizing Maps Applied to Carpal Tunnel Syndrome. <i>Symmetry</i> , 2020, 12, 1581.	1.1	4
38	Probabilistic quantum clustering. <i>Knowledge-Based Systems</i> , 2020, 194, 105567.	4.0	10
39	Patient Profiling Based on Spectral Clustering for an Enhanced Classification of Patients with Tension-Type Headache. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9109.	1.3	5
40	Robust Conditional Independence maps of single-voxel Magnetic Resonance Spectra to elucidate associations between brain tumours and metabolites. <i>PLoS ONE</i> , 2020, 15, e0235057.	1.1	2
41	Enhanced prediction of hemoglobin concentration in a very large cohort of hemodialysis patients by means of deep recurrent neural networks. <i>Artificial Intelligence in Medicine</i> , 2020, 107, 101898.	3.8	12
42	Retrieving Quantum Information with Active Learning. <i>Physical Review Letters</i> , 2020, 124, 140504.	2.9	14
43	Risk Assessment of Hip Fracture Based on Machine Learning. <i>Applied Bionics and Biomechanics</i> , 2020, 2020, 1-13.	0.5	10
44	Scalable implementation of measuring distances in a Riemannian manifold based on the Fisher Information metric. , 2019, , .		1
45	Quantum autoencoders via quantum adders with genetic algorithms. <i>Quantum Science and Technology</i> , 2019, 4, 014007.	2.6	42
46	Use of SOMs for footwear comfort evaluation. <i>Neural Computing and Applications</i> , 2017, 28, 1763-1773.	3.2	5
47	A framework for modelling the biomechanical behaviour of the human liver during breathing in real time using machine learning. <i>Expert Systems With Applications</i> , 2017, 71, 342-357.	4.4	35
48	Quantum clustering in non-spherical data distributions: Finding a suitable number of clusters. <i>Neurocomputing</i> , 2017, 268, 127-141.	3.5	11
49	Supervised Quantum Learning without Measurements. <i>Scientific Reports</i> , 2017, 7, 13645.	1.6	38
50	A finite element-based machine learning approach for modeling the mechanical behavior of the breast tissues under compression in real-time. <i>Computers in Biology and Medicine</i> , 2017, 90, 116-124.	3.9	76
51	Machine Learning for Modeling the Biomechanical Behavior of Human Soft Tissue. , 2016, , .		7
52	Online fitted policy iteration based on extreme learning machines. <i>Knowledge-Based Systems</i> , 2016, 100, 200-211.	4.0	9
53	A Matlab based interface for infrared thermographic diagnosis of pediatric musculoskeletal injuries. <i>Infrared Physics and Technology</i> , 2016, 76, 500-503.	1.3	5
54	A new visualization tool for data mining techniques. <i>Progress in Artificial Intelligence</i> , 2016, 5, 137-154.	1.5	5

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55	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
56	Improving Mortality Prediction in Cardiovascular Risk Patients by Balancing Classes. , 2015, , .		2
57	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
58	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
59	Making nonlinear manifold learning models interpretable: The manifold grand tour. Expert Systems With Applications, 2015, 42, 8982-8988.	4.4	2
60	Infrared thermography is useful for ruling out fractures in paediatric emergencies. European Journal of Pediatrics, 2015, 174, 493-499.	1.3	24
61	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
62	Optimization of anemia treatment in hemodialysis patients via reinforcement learning. Artificial Intelligence in Medicine, 2014, 62, 47-60.	3.8	55
63	Least-squares temporal difference learning based on an extreme learning machine. Neurocomputing, 2014, 141, 37-45.	3.5	10
64	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
65	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
66	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
67	A principled approach to network-based classification and data representation. Neurocomputing, 2013, 112, 79-91.	3.5	6
68	A Novel Semi-Supervised Methodology for Extracting Tumor Type-Specific MRS Sources in Human Brain Data. PLoS ONE, 2013, 8, e83773.	1.1	18
69	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
70	Artificial neural networks for predicting dorsal pressures on the foot surface while walking. Expert Systems With Applications, 2012, 39, 5349-5357.	4.4	24
71	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
72	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

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73	Adaptive treatment of anemia on hemodialysis patients: A reinforcement learning approach. , 2011, , .		1
74	Sectors on sectors (SonS): A new hierarchical clustering visualization tool. , 2011, , .		0
75	BELM: Bayesian Extreme Learning Machine. IEEE Transactions on Neural Networks, 2011, 22, 505-509.	4.8	129
76	Regularized extreme learning machine for regression problems. Neurocomputing, 2011, 74, 3716-3721.	3.5	163
77	Data Mining in Cancer Research [Application Notes. IEEE Computational Intelligence Magazine, 2010, 5, 14-18.	3.4	31
78	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
79	Qualitative analysis of goat and sheep production data using self-organizing maps. Expert Systems, 2009, 26, 191-201.	2.9	7
80	A reinforcement learning approach for individualizing erythropoietin dosages in hemodialysis patients. Expert Systems With Applications, 2009, 36, 9737-9742.	4.4	40
81	Assigning discounts in a marketing campaign by using reinforcement learning and neural networks. Expert Systems With Applications, 2009, 36, 8022-8031.	4.4	16
82	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
83	Web mining based on Growing Hierarchical Self-Organizing Maps: Analysis of a real citizen web portal. Expert Systems With Applications, 2008, 34, 2988-2994.	4.4	17
84	A Teaching Laboratory in Analog Electronics: Changes to Address the Bologna Requirements. IEEE Transactions on Education, 2008, 51, 456-460.	2.0	25
85	An integrated framework for risk profiling of breast cancer patients following surgery. Artificial Intelligence in Medicine, 2008, 42, 165-188.	3.8	14
86	Use of Reinforcement Learning in Two Real Applications. Lecture Notes in Computer Science, 2008, , 191-204.	1.0	3
87	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
88	Steady-state and tracking analysis of a robust adaptive filter with low computational cost. Signal Processing, 2007, 87, 210-215.	2.1	12
89	Weekly milk prediction on dairy goats using neural networks. Neural Computing and Applications, 2007, 16, 373-381.	3.2	21
90	Validation of a Reinforcement Learning Policy for Dosage Optimization of Erythropoietin. Lecture Notes in Computer Science, 2007, , 732-738.	1.0	2

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91	Neural networks for animal science applications: Two case studies. Expert Systems With Applications, 2006, 31, 444-450.	4.4	31
92	Non-linear RLS-based algorithm for pattern classification. Signal Processing, 2006, 86, 1104-1108.	2.1	3
93	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
94	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
95	Efficient pruning of multilayer perceptrons using a fuzzy sigmoid activation function. Neurocomputing, 2006, 69, 909-912.	3.5	4
96	Enhancing decision-based neural networks through local competition. Neurocomputing, 2006, 69, 905-908.	3.5	0
97	Robust adaptive algorithm with low computational cost. Electronics Letters, 2006, 42, 60.	0.5	10
98	Unbiased sensitivity analysis and pruning techniques in neural networks for surface ozone modelling. Ecological Modelling, 2005, 182, 149-158.	1.2	62
99	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
100	Robust automatic classification method for hyperspectral imagery. , 2004, 5238, 398.		1
101	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
102	Fuzzy sigmoid kernel for support vector classifiers. Neurocomputing, 2004, 62, 501-506.	3.5	41
103	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
104	Profiled support vector machines for antisense oligonucleotide efficacy prediction. BMC Bioinformatics, 2004, 5, 135.	1.2	24
105	Crane collision modelling using a neural network approach. Expert Systems With Applications, 2004, 27, 341-348.	4.4	6
106	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
107	Kernel methods for HyMap imagery knowledge discovery. , 2004, , .		3
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

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109	Prediction of cyclosporine dosage in patients after kidney transplantation using neural networks. IEEE Transactions on Biomedical Engineering, 2003, 50, 442-448.	2.5	33
110	Dosage individualization of erythropoietin using a profile-dependent support vector regression. IEEE Transactions on Biomedical Engineering, 2003, 50, 1136-1142.	2.5	49
111	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
112	A low-complexity fuzzy activation function for artificial neural networks. IEEE Transactions on Neural Networks, 2003, 14, 1576-1579.	4.8	38
113	A soft approach to ERA algorithm for hyperspectral image classification. , 0, , .		1