Jos D Martn-Guerrero

List of Publications by Year in Descending Order

102 papers	1,563 citations	22 h-index	36 g-index
115 ext. papers	2,060 ext. citations	5.1 avg, IF	4.51 L-index

#	Paper	IF	Citations
102	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**,	18.9	0
101	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**,	10.5	4
100	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,	5.1	15
99	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*, **2022**, 1-8	6.9	1
98	AIM in Hemodialysis **2022**, 579-592		
97	Deep learning for fully automatic detection, segmentation, and Gleason grade estimation of prostate cancer in multiparametric magnetic resonance images.. *Scientific Reports*, **2022**, 12, 2975	4.9	4
96	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**, 1	4	0
95	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.. *Journal of Medical Virology*, **2022**,	19.7	0
94	Experimentally realizing efficient quantum control with reinforcement learning. *Science China: Physics, Mechanics and Astronomy*, **2022**, 65, 1	3.6	1
93	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*, **2022**, 1	5.8	0
92	Exploring the recovery curve for long-term post-COVID dyspnea and fatigue.. *European Journal of Internal Medicine*, **2022**,	3.9	1
91	Quantum Brain Networks: A Perspective. *Electronics (Switzerland)*, **2022**, 11, 1528	2.6	1
90	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**,	5.5	0
89	Gastrointestinal symptoms at the acute COVID-19 phase are risk factors for developing gastrointestinal post-COVID symptoms: a multicenter study. *Internal and Emergency Medicine*, **2021**, 1	3.7	1
88	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	3.5	0
87	Breaking adiabatic quantum control with deep learning. *Physical Review A*, **2021**, 103,	2.6	9
86	Spectral Clustering Reveals Different Profiles of Central Sensitization in Women with Carpal Tunnel Syndrome. *Symmetry*, **2021**, 13, 1042	2.7	0

85	Quantum Machine Learning: A tutorial. *Neurocomputing*, **2021**,	5.4	7
84	Music genre profiling based on Fisher manifolds and Probabilistic Quantum Clustering. *Neural Computing and Applications*, **2021**, 33, 7521-7539	4.8	0
83	AIM in Hemodialysis **2021**, 1-14		
82	Toward pricing financial derivatives with an IBM quantum computer. *Physical Review Research*, **2021**, 3,	3.9	10
81	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**,	18.9	4
80	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*, **2021**, 1	3.9	2
79	Reinforcement Learning and Physics. *Applied Sciences (Switzerland)*, **2021**, 11, 8589	2.6	2
78	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	4.1	2
77	Robust Resolution-Enhanced Prostate Segmentation in Magnetic Resonance and Ultrasound Images through Convolutional Neural Networks. *Applied Sciences (Switzerland)*, **2021**, 11, 844	2.6	1
76	Robust Conditional Independence maps of single-voxel Magnetic Resonance Spectra to elucidate associations between brain tumours and metabolites. *PLoS ONE*, **2020**, 15, e0235057	3.7	0
75	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	7.4	3
74	Retrieving Quantum Information with Active Learning. *Physical Review Letters*, **2020**, 124, 140504	7.4	6
73	Risk Assessment of Hip Fracture Based on Machine Learning. *Applied Bionics and Biomechanics*, **2020**, 2020, 8880786	1.6	5
72	Single trajectory characterization via machine learning. *New Journal of Physics*, **2020**, 22, 013010	2.9	45
71	Real-time biomechanical modeling of the liver using Machine Learning models trained on Finite Element Method simulations. *Expert Systems With Applications*, **2020**, 143, 113083	7.8	11
70	Mathematical Modeling for Neuropathic Pain: Bayesian Linear Regression and Self-Organizing Maps Applied to Carpal Tunnel Syndrome. *Symmetry*, **2020**, 12, 1581	2.7	2
69	Probabilistic quantum clustering. *Knowledge-Based Systems*, **2020**, 194, 105567	7.3	4
68	Patient Profiling Based on Spectral Clustering for an Enhanced Classification of Patients with Tension-Type Headache. *Applied Sciences (Switzerland)*, **2020**, 10, 9109	2.6	2

67	**2019**,		1
66	Quantum autoencoders via quantum adders with genetic algorithms. *Quantum Science and Technology*, **2019**, 4, 014007	5.5	25
65	Use of SOMs for footwear comfort evaluation. *Neural Computing and Applications*, **2017**, 28, 1763-1773	4.8	4
64	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	7.8	22
63	Quantum clustering in non-spherical data distributions: Finding a suitable number of clusters. *Neurocomputing*, **2017**, 268, 127-141	5.4	10
62	Supervised Quantum Learning without Measurements. *Scientific Reports*, **2017**, 7, 13645	4.9	29
61	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	7	39
60	A new visualization tool for data mining techniques. *Progress in Artificial Intelligence*, **2016**, 5, 137-154	4	3
59	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	3.7	19
58	Machine Learning for Modeling the Biomechanical Behavior of Human Soft Tissue **2016**,		5
57	Online fitted policy iteration based on extreme learning machines. *Knowledge-Based Systems*, **2016**, 100, 200-211	7.3	7
56	A Matlab based interface for infrared thermographic diagnosis of pediatric musculoskeletal injuries. *Infrared Physics and Technology*, **2016**, 76, 500-503	2.7	4
55	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	7	33
54	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	1.2	1
53	Making nonlinear manifold learning models interpretable: The manifold grand tour. *Expert Systems With Applications*, **2015**, 42, 8982-8988	7.8	2
52	Infrared thermography is useful for ruling out fractures in paediatric emergencies. *European Journal of Pediatrics*, **2015**, 174, 493-9	4.1	18
51	Improving Mortality Prediction in Cardiovascular Risk Patients by Balancing Classes **2015**,		2
50	Prediction of the hemoglobin level in hemodialysis patients using machine learning techniques. *Computer Methods and Programs in Biomedicine*, **2014**, 117, 208-17	6.9	22

49	Optimization of anemia treatment in hemodialysis patients via reinforcement learning. *Artificial Intelligence in Medicine*, **2014**, 62, 47-60	7.4	35
48	Least-squares temporal difference learning based on an extreme learning machine. *Neurocomputing*, **2014**, 141, 37-45	5.4	7
47	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	6.9	22
46	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	1.7	2
45	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, 537-49	6.9	23
44	A principled approach to network-based classification and data representation. *Neurocomputing*, **2013**, 112, 79-91	5.4	3
43	A novel semi-supervised methodology for extracting tumor type-specific MRS sources in human brain data. *PLoS ONE*, **2013**, 8, e83773	3.7	15
42	Detecting rottenness caused by Penicillium genus fungi in citrus fruits using machine learning techniques. *Expert Systems With Applications*, **2012**, 39, 780-785	7.8	56
41	Artificial neural networks for predicting dorsal pressures on the foot surface while walking. *Expert Systems With Applications*, **2012**, 39, 5349-5357	7.8	21
40	Self-Organising Maps: A new way to screen the level of satisfaction of dialysis patients. *Expert Systems With Applications*, **2012**, 39, 8793-8798	7.8	17
39	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	4	11
38	BELM: Bayesian extreme learning machine. *IEEE Transactions on Neural Networks*, **2011**, 22, 505-9		106
37	Regularized extreme learning machine for regression problems. *Neurocomputing*, **2011**, 74, 3716-3721	5.4	126
36	Data Mining in Cancer Research [Application Notes]. *IEEE Computational Intelligence Magazine*, **2010**, 5, 14-18	5.6	25
35	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	1.6	3
34	Qualitative analysis of goat and sheep production data using self-organizing maps. *Expert Systems*, **2009**, 26, 191-201	2.1	4
33	A reinforcement learning approach for individualizing erythropoietin dosages in hemodialysis patients. *Expert Systems With Applications*, **2009**, 36, 9737-9742	7.8	32
32	Assigning discounts in a marketing campaign by using reinforcement learning and neural networks. *Expert Systems With Applications*, **2009**, 36, 8022-8031	7.8	11

31	A Teaching Laboratory in Analog Electronics: Changes to Address the Bologna Requirements. *IEEE Transactions on Education*, **2008**, 51, 456-460	2.1	20
30	An integrated framework for risk profiling of breast cancer patients following surgery. *Artificial Intelligence in Medicine*, **2008**, 42, 165-88	7.4	11
29	Predicting service request in support centers based on nonlinear dynamics, ARMA modeling and neural networks. *Expert Systems With Applications*, **2008**, 34, 665-672	7.8	23
28	Web mining based on Growing Hierarchical Self-Organizing Maps: Analysis of a real citizen web portal. *Expert Systems With Applications*, **2008**, 34, 2988-2994	7.8	15
27	Use of Reinforcement Learning in Two Real Applications. *Lecture Notes in Computer Science*, **2008**, 191-204	0.9	3
26	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	7.8	6
25	Steady-state and tracking analysis of a robust adaptive filter with low computational cost. *Signal Processing*, **2007**, 87, 210-215	4.4	9
24	Weekly milk prediction on dairy goats using neural networks. *Neural Computing and Applications*, **2007**, 16, 373-381	4.8	14
23	Validation of a Reinforcement Learning Policy for Dosage Optimization of Erythropoietin. *Lecture Notes in Computer Science*, **2007**, 732-738	0.9	2
22	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	7.8	22
21	Neural networks for analysing the relevance of input variables in the prediction of tropospheric ozone concentration. *Atmospheric Environment*, **2006**, 40, 6173-6180	5.3	48
20	Efficient pruning of multilayer perceptrons using a fuzzy sigmoid activation function. *Neurocomputing*, **2006**, 69, 909-912	5.4	2
19	Enhancing decision-based neural networks through local competition. *Neurocomputing*, **2006**, 69, 905-908	3.4	
18	Robust adaptive algorithm with low computational cost. *Electronics Letters*, **2006**, 42, 60	1.1	10
17	Neural networks for animal science applications: Two case studies. *Expert Systems With Applications* , **2006**, 31, 444-450	7.8	19
16	Non-linear RLS-based algorithm for pattern classification. *Signal Processing*, **2006**, 86, 1104-1108	4.4	3
15	Unbiased sensitivity analysis and pruning techniques in neural networks for surface ozone modelling. *Ecological Modelling*, **2005**, 182, 149-158	3	43
14	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	1.8	5

13	Robust automatic classification method for hyperspectral imagery **2004**, 5238, 398		
12	The use of neural networks for predicting the result of endoscopic treatment for vesico-ureteric reflux. *BJU International*, **2004**, 94, 120-2	5.6	9
11	Fuzzy sigmoid kernel for support vector classifiers. *Neurocomputing*, **2004**, 62, 501-506	5.4	31
10	A novel approach to introducing adaptive filters based on the LMS algorithm and its variants. *IEEE Transactions on Education*, **2004**, 47, 127-133	2.1	8
9	Profiled support vector machines for antisense oligonucleotide efficacy prediction. *BMC Bioinformatics*, **2004**, 5, 135	3.6	21
8	Crane collision modelling using a neural network approach. *Expert Systems With Applications*, **2004**, 27, 341-348	7.8	6
7	. *IEEE Transactions on Geoscience and Remote Sensing*, **2004**, 42, 1530-1542	8.1	196
6	Machine Learning Methods for One-Session Ahead Prediction of Accesses to Page Categories. *Lecture Notes in Computer Science*, **2004**, 421-424	0.9	1
5	Prediction of cyclosporine dosage in patients after kidney transplantation using neural networks. *IEEE Transactions on Biomedical Engineering*, **2003**, 50, 442-8	5	27
4	Dosage individualization of erythropoietin using a profile-dependent support vector regression. *IEEE Transactions on Biomedical Engineering*, **2003**, 50, 1136-42	5	38
3	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, 361-73	7	24
2	A low-complexity fuzzy activation function for artificial neural networks. *IEEE Transactions on Neural Networks*, **2003**, 14, 1576-9		31
1	A Pseudo-Supervised Approach to Improve a Recommender Based on Collaborative Filtering. *Lecture Notes in Computer Science*, **2003**, 429-431	0.9	