

# Jos D Martn-Guerrero

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2004</b> , 42, 1530-1542	8.1	196
101	Regularized extreme learning machine for regression problems. <i>Neurocomputing</i> , <b>2011</b> , 74, 3716-3721	5.4	126
100	BELM: Bayesian extreme learning machine. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 505-9		106
99	Detecting rottenness caused by Penicillium genus fungi in citrus fruits using machine learning techniques. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 780-785	7.8	56
98	Neural networks for analysing the relevance of input variables in the prediction of tropospheric ozone concentration. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 6173-6180	5.3	48
97	Single trajectory characterization via machine learning. <i>New Journal of Physics</i> , <b>2020</b> , 22, 013010	2.9	45
96	Unbiased sensitivity analysis and pruning techniques in neural networks for surface ozone modelling. <i>Ecological Modelling</i> , <b>2005</b> , 182, 149-158	3	43
95	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> , <b>2017</b> , 90, 116-124	7	39
94	Dosage individualization of erythropoietin using a profile-dependent support vector regression. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2003</b> , 50, 1136-42	5	38
93	Optimization of anemia treatment in hemodialysis patients via reinforcement learning. <i>Artificial Intelligence in Medicine</i> , <b>2014</b> , 62, 47-60	7.4	35
92	A new machine learning approach for predicting the response to anemia treatment in a large cohort of End Stage Renal Disease patients undergoing dialysis. <i>Computers in Biology and Medicine</i> , <b>2015</b> , 61, 56-61	7	33
91	A reinforcement learning approach for individualizing erythropoietin dosages in hemodialysis patients. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 9737-9742	7.8	32
90	Fuzzy sigmoid kernel for support vector classifiers. <i>Neurocomputing</i> , <b>2004</b> , 62, 501-506	5.4	31
89	A low-complexity fuzzy activation function for artificial neural networks. <i>IEEE Transactions on Neural Networks</i> , <b>2003</b> , 14, 1576-9		31
88	Supervised Quantum Learning without Measurements. <i>Scientific Reports</i> , <b>2017</b> , 7, 13645	4.9	29
87	Prediction of cyclosporine dosage in patients after kidney transplantation using neural networks. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2003</b> , 50, 442-8	5	27
86	Data Mining in Cancer Research [Application Notes]. <i>IEEE Computational Intelligence Magazine</i> , <b>2010</b> , 5, 14-18	5.6	25

85	Quantum autoencoders via quantum adders with genetic algorithms. <i>Quantum Science and Technology</i> , <b>2019</b> , 4, 014007	5.5	25
84	Use of neural networks for dosage individualisation of erythropoietin in patients with secondary anemia to chronic renal failure. <i>Computers in Biology and Medicine</i> , <b>2003</b> , 33, 361-73	7	24
83	Estimation of the elastic parameters of human liver biomechanical models by means of medical images and evolutionary computation. <i>Computer Methods and Programs in Biomedicine</i> , <b>2013</b> , 111, 537-49	6.9	23
82	Predicting service request in support centers based on nonlinear dynamics, ARMA modeling and neural networks. <i>Expert Systems With Applications</i> , <b>2008</b> , 34, 665-672	7.8	23
81	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> , <b>2017</b> , 71, 342-357	7.8	22
80	Prediction of the hemoglobin level in hemodialysis patients using machine learning techniques. <i>Computer Methods and Programs in Biomedicine</i> , <b>2014</b> , 117, 208-17	6.9	22
79	A new approach based on Machine Learning for predicting corneal curvature (K1) and astigmatism in patients with keratoconus after intracorneal ring implantation. <i>Computer Methods and Programs in Biomedicine</i> , <b>2014</b> , 116, 39-47	6.9	22
78	Studying the feasibility of a recommender in a citizen web portal based on user modeling and clustering algorithms. <i>Expert Systems With Applications</i> , <b>2006</b> , 30, 299-312	7.8	22
77	Artificial neural networks for predicting dorsal pressures on the foot surface while walking. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 5349-5357	7.8	21
76	Profiled support vector machines for antisense oligonucleotide efficacy prediction. <i>BMC Bioinformatics</i> , <b>2004</b> , 5, 135	3.6	21
75	A Teaching Laboratory in Analog Electronics: Changes to Address the Bologna Requirements. <i>IEEE Transactions on Education</i> , <b>2008</b> , 51, 456-460	2.1	20
74	Neural networks for animal science applications: Two case studies. <i>Expert Systems With Applications</i> , <b>2006</b> , 31, 444-450	7.8	19
73	Performance of a Predictive Model for Long-Term Hemoglobin Response to Darbepoetin and Iron Administration in a Large Cohort of Hemodialysis Patients. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148938	3.7	19
72	Infrared thermography is useful for ruling out fractures in paediatric emergencies. <i>European Journal of Pediatrics</i> , <b>2015</b> , 174, 493-9	4.1	18
71	Self-Organising Maps: A new way to screen the level of satisfaction of dialysis patients. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 8793-8798	7.8	17
70	A novel semi-supervised methodology for extracting tumor type-specific MRS sources in human brain data. <i>PLoS ONE</i> , <b>2013</b> , 8, e83773	3.7	15
69	Web mining based on Growing Hierarchical Self-Organizing Maps: Analysis of a real citizen web portal. <i>Expert Systems With Applications</i> , <b>2008</b> , 34, 2988-2994	7.8	15
68	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> , <b>2022</b> , 11,	5.1	15

67	Weekly milk prediction on dairy goats using neural networks. <i>Neural Computing and Applications</i> , <b>2007</b> , 16, 373-381	4.8	14
66	Use of Self-Organizing Maps for Balanced Scorecard analysis to monitor the performance of dialysis clinic chains. <i>Health Care Management Science</i> , <b>2012</b> , 15, 79-90	4	11
65	Assigning discounts in a marketing campaign by using reinforcement learning and neural networks. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 8022-8031	7.8	11
64	An integrated framework for risk profiling of breast cancer patients following surgery. <i>Artificial Intelligence in Medicine</i> , <b>2008</b> , 42, 165-88	7.4	11
63	Real-time biomechanical modeling of the liver using Machine Learning models trained on Finite Element Method simulations. <i>Expert Systems With Applications</i> , <b>2020</b> , 143, 113083	7.8	11
62	Quantum clustering in non-spherical data distributions: Finding a suitable number of clusters. <i>Neurocomputing</i> , <b>2017</b> , 268, 127-141	5.4	10
61	Robust adaptive algorithm with low computational cost. <i>Electronics Letters</i> , <b>2006</b> , 42, 60	1.1	10
60	Toward pricing financial derivatives with an IBM quantum computer. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	10
59	Steady-state and tracking analysis of a robust adaptive filter with low computational cost. <i>Signal Processing</i> , <b>2007</b> , 87, 210-215	4.4	9
58	The use of neural networks for predicting the result of endoscopic treatment for vesico-ureteric reflux. <i>BJU International</i> , <b>2004</b> , 94, 120-2	5.6	9
57	Breaking adiabatic quantum control with deep learning. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	9
56	A novel approach to introducing adaptive filters based on the LMS algorithm and its variants. <i>IEEE Transactions on Education</i> , <b>2004</b> , 47, 127-133	2.1	8
55	Least-squares temporal difference learning based on an extreme learning machine. <i>Neurocomputing</i> , <b>2014</b> , 141, 37-45	5.4	7
54	Quantum Machine Learning: A tutorial. <i>Neurocomputing</i> , <b>2021</b> ,	5.4	7
53	Online fitted policy iteration based on extreme learning machines. <i>Knowledge-Based Systems</i> , <b>2016</b> , 100, 200-211	7.3	7
52	Retrieving Quantum Information with Active Learning. <i>Physical Review Letters</i> , <b>2020</b> , 124, 140504	7.4	6
51	An approach based on the Adaptive Resonance Theory for analysing the viability of recommender systems in a citizen Web portal. <i>Expert Systems With Applications</i> , <b>2007</b> , 33, 743-753	7.8	6
50	Crane collision modelling using a neural network approach. <i>Expert Systems With Applications</i> , <b>2004</b> , 27, 341-348	7.8	6

49	Neural networks as effective techniques in clinical management of patients: some case studies. <i>Transactions of the Institute of Measurement and Control</i> , <b>2004</b> , 26, 169-183	1.8	5
48	Risk Assessment of Hip Fracture Based on Machine Learning. <i>Applied Bionics and Biomechanics</i> , <b>2020</b> , 2020, 8880786	1.6	5
47	Machine Learning for Modeling the Biomechanical Behavior of Human Soft Tissue <b>2016</b> ,		5
46	Use of SOMs for footwear comfort evaluation. <i>Neural Computing and Applications</i> , <b>2017</b> , 28, 1763-1773	4.8	4
45	Qualitative analysis of goat and sheep production data using self-organizing maps. <i>Expert Systems</i> , <b>2009</b> , 26, 191-201	2.1	4
44	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> , <b>2022</b> ,	10.5	4
43	Probabilistic quantum clustering. <i>Knowledge-Based Systems</i> , <b>2020</b> , 194, 105567	7.3	4
42	A Matlab based interface for infrared thermographic diagnosis of pediatric musculoskeletal injuries. <i>Infrared Physics and Technology</i> , <b>2016</b> , 76, 500-503	2.7	4
41	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> , <b>2021</b> ,	18.9	4
40	Deep learning for fully automatic detection, segmentation, and Gleason grade estimation of prostate cancer in multiparametric magnetic resonance images.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2975	4.9	4
39	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> , <b>2020</b> , 107, 101898	7.4	3
38	A new visualization tool for data mining techniques. <i>Progress in Artificial Intelligence</i> , <b>2016</b> , 5, 137-154	4	3
37	A principled approach to network-based classification and data representation. <i>Neurocomputing</i> , <b>2013</b> , 112, 79-91	5.4	3
36	Description and evaluation of an introductory course to Matlab for a heterogeneous group of university students. <i>Computer Applications in Engineering Education</i> , <b>2010</b> , 18, 750-756	1.6	3
35	Non-linear RLS-based algorithm for pattern classification. <i>Signal Processing</i> , <b>2006</b> , 86, 1104-1108	4.4	3
34	Use of Reinforcement Learning in Two Real Applications. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 191-204	4	3
33	Making nonlinear manifold learning models interpretable: The manifold grand tour. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 8982-8988	7.8	2
32	Maximum Likelihood Estimation and Non-Linear Least Squares Fitting Implementation in FPGA Devices for High Resolution Hodoscopy. <i>IEEE Transactions on Nuclear Science</i> , <b>2013</b> , 60, 3578-3584	1.7	2

31	Improving Mortality Prediction in Cardiovascular Risk Patients by Balancing Classes <b>2015</b> ,		2
30	Efficient pruning of multilayer perceptrons using a fuzzy sigmoid activation function. <i>Neurocomputing</i> , <b>2006</b> , 69, 909-912	5.4	2
29	Validation of a Reinforcement Learning Policy for Dosage Optimization of Erythropoietin. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 732-738	0.9	2
28	Mathematical Modeling for Neuropathic Pain: Bayesian Linear Regression and Self-Organizing Maps Applied to Carpal Tunnel Syndrome. <i>Symmetry</i> , <b>2020</b> , 12, 1581	2.7	2
27	Patient Profiling Based on Spectral Clustering for an Enhanced Classification of Patients with Tension-Type Headache. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 9109	2.6	2
26	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> , <b>2021</b> , 1	3.9	2
25	Reinforcement Learning and Physics. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8589	2.6	2
24	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> , <b>2021</b> , 150, 110625	4.1	2
23	Study and simulation of the read-out electronics design for a high-resolution plastic scintillating fiber based hodoscope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 784, 232-235	1.2	1
22	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> , <b>2022</b> , 1-8	6.9	1
21	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> , <b>2021</b> , 1	3.7	1
20	Machine Learning Methods for One-Session Ahead Prediction of Accesses to Page Categories. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 421-424	0.9	1
19	<b>2019</b> ,		1
18	Robust Resolution-Enhanced Prostate Segmentation in Magnetic Resonance and Ultrasound Images through Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 844	2.6	1
17	Experimentally realizing efficient quantum control with reinforcement learning. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2022</b> , 65, 1	3.6	1
16	Exploring the recovery curve for long-term post-COVID dyspnea and fatigue.. <i>European Journal of Internal Medicine</i> , <b>2022</b> ,	3.9	1
15	Quantum Brain Networks: A Perspective. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1528	2.6	1
14	Robust Conditional Independence maps of single-voxel Magnetic Resonance Spectra to elucidate associations between brain tumours and metabolites. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235057	3.7	0

13	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> , <b>2022</b> ,	18.9	o
12	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> , <b>2021</b> , 18, 1117-1121	3.5	o
11	Spectral Clustering Reveals Different Profiles of Central Sensitization in Women with Carpal Tunnel Syndrome. <i>Symmetry</i> , <b>2021</b> , 13, 1042	2.7	o
10	Music genre profiling based on Fisher manifolds and Probabilistic Quantum Clustering. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 7521-7539	4.8	o
9	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> , <b>2022</b> , 1	4	o
8	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> , <b>2022</b> ,	19.7	o
7	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> , <b>2022</b> , 1	5.8	o
6	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> , <b>2022</b> ,	5.5	o
5	Enhancing decision-based neural networks through local competition. <i>Neurocomputing</i> , <b>2006</b> , 69, 905-908	3.4	
4	Robust automatic classification method for hyperspectral imagery <b>2004</b> , 5238, 398		
3	A Pseudo-Supervised Approach to Improve a Recommender Based on Collaborative Filtering. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 429-431	0.9	
2	AIM in Hemodialysis <b>2021</b> , 1-14		
1	AIM in Hemodialysis <b>2022</b> , 579-592		