

Emilio Soria-Olivas

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,612
citations

304368

22
h-index

315357

38
g-index

80
all docs

80
docs citations

80
times ranked

2032
citing authors

#	ARTICLE	IF	CITATIONS
1	Regularized extreme learning machine for regression problems. <i>Neurocomputing</i> , 2011, 74, 3716-3721.	3.5	163
2	BELM: Bayesian Extreme Learning Machine. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 505-509.	4.8	129
3	Support vector machine classification of brain metastasis and radiation necrosis based on texture analysis in MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1362-1368.	1.9	83
4	Support Vector Machines for Nonlinear Kernel ARMA System Identification. <i>IEEE Transactions on Neural Networks</i> , 2006, 17, 1617-1622.	4.8	81
5	Detecting rottenness caused by <i>Penicillium</i> genus fungi in citrus fruits using machine learning techniques. <i>Expert Systems With Applications</i> , 2012, 39, 780-785.	4.4	75
6	Unbiased sensitivity analysis and pruning techniques in neural networks for surface ozone modelling. <i>Ecological Modelling</i> , 2005, 182, 149-158.	1.2	62
7	Machine learning methods to forecast temperature in buildings. <i>Expert Systems With Applications</i> , 2013, 40, 1061-1068.	4.4	62
8	Foetal ECG recovery using dynamic neural networks. <i>Artificial Intelligence in Medicine</i> , 2004, 31, 197-209.	3.8	56
9	Optimization of anemia treatment in hemodialysis patients via reinforcement learning. <i>Artificial Intelligence in Medicine</i> , 2014, 62, 47-60.	3.8	55
10	FPGA Implementation of an Adaptive Filter Robust to Impulsive Noise: Two Approaches. <i>IEEE Transactions on Industrial Electronics</i> , 2011, 58, 860-870.	5.2	53
11	Dosage individualization of erythropoietin using a profile-dependent support vector regression. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 1136-1142.	2.5	49
12	Multi-dimensional Function Approximation and Regression Estimation. <i>Lecture Notes in Computer Science</i> , 2002, , 757-762.	1.0	44
13	A reinforcement learning approach for individualizing erythropoietin dosages in hemodialysis patients. <i>Expert Systems With Applications</i> , 2009, 36, 9737-9742.	4.4	40
14	Expert system for predicting unstable angina based on Bayesian networks. <i>Expert Systems With Applications</i> , 2013, 40, 5004-5010.	4.4	37
15	Machine Learning for Mortality Analysis in Patients with COVID-19. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8386.	1.2	37
16	Predicting service request in support centers based on nonlinear dynamics, ARMA modeling and neural networks. <i>Expert Systems With Applications</i> , 2008, 34, 665-672.	4.4	36
17	Prediction of cyclosporine dosage in patients after kidney transplantation using neural networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 442-448.	2.5	33
18	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> , 2003, 33, 361-373.	3.9	32

#	ARTICLE	IF	CITATIONS
19	Prediction of the hemoglobin level in hemodialysis patients using machine learning techniques. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 117, 208-217.	2.6	32
20	Neural networks for animal science applications: Two case studies. <i>Expert Systems With Applications</i> , 2006, 31, 444-450.	4.4	31
21	Similarity and Consistency in Hotel Online Ratings across Platforms. <i>Journal of Travel Research</i> , 2020, 59, 742-758.	5.8	31
22	Detection of algorithmically generated malicious domain names using masked N-grams. <i>Expert Systems With Applications</i> , 2019, 124, 156-163.	4.4	28
23	HemoKinect: A Microsoft Kinect V2 Based Exergaming Software to Supervise Physical Exercise of Patients with Hemophilia. <i>Sensors</i> , 2018, 18, 2439.	2.1	22
24	Hardware implementation methods in Random Vector Functional-Link Networks. <i>Applied Intelligence</i> , 2014, 41, 184-195.	3.3	20
25	Self-Organising Maps: A new way to screen the level of satisfaction of dialysis patients. <i>Expert Systems With Applications</i> , 2012, 39, 8793-8798.	4.4	18
26	Exploring the Heterogeneity and Trajectories of Positive Functioning Variables, Emotional Distress, and Post-traumatic Growth During Strict Confinement Due to COVID-19. <i>Journal of Happiness Studies</i> , 2022, 23, 1683-1708.	1.9	18
27	Web mining based on Growing Hierarchical Self-Organizing Maps: Analysis of a real citizen web portal. <i>Expert Systems With Applications</i> , 2008, 34, 2988-2994.	4.4	17
28	Assigning discounts in a marketing campaign by using reinforcement learning and neural networks. <i>Expert Systems With Applications</i> , 2009, 36, 8022-8031.	4.4	16
29	Estimating net radiation at surface using artificial neural networks: a new approach. <i>Theoretical and Applied Climatology</i> , 2011, 106, 263-279.	1.3	16
30	Physical Activity Monitoring and Acceptance of a Commercial Activity Tracker in Adult Patients with Haemophilia. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3851.	1.2	16
31	Vibration Monitoring of the Mechanical Harvesting of Citrus to Improve Fruit Detachment Efficiency. <i>Sensors</i> , 2019, 19, 1760.	2.1	15
32	CitrusYield: A Dashboard for Mapping Yield and Fruit Quality of Citrus in Precision Agriculture. <i>Agronomy</i> , 2020, 10, 128.	1.3	15
33	Use of Self-Organizing Maps for Balanced Scorecard analysis to monitor the performance of dialysis clinic chains. <i>Health Care Management Science</i> , 2012, 15, 79-90.	1.5	14
34	Steady-state and tracking analysis of a robust adaptive filter with low computational cost. <i>Signal Processing</i> , 2007, 87, 210-215.	2.1	12
35	Therapeutic Drug Monitoring of Kidney Transplant Recipients Using Profiled Support Vector Machines. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2007, 37, 359-372.	3.3	10
36	Visual data mining with self-organising maps for ventricular fibrillation analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 111, 269-279.	2.6	10

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37	Least-squares temporal difference learning based on an extreme learning machine. <i>Neurocomputing</i> , 2014, 141, 37-45.	3.5	10
38	Influence of genetic factors in elbow tendon pathology: a case-control study. <i>Scientific Reports</i> , 2020, 10, 6503.	1.6	10
39	Online fitted policy iteration based on extreme learning machines. <i>Knowledge-Based Systems</i> , 2016, 100, 200-211.	4.0	9
40	Modelling net radiation at surface using <i>in situ</i> netpyr radiometer measurements with artificial neural networks. <i>Expert Systems With Applications</i> , 2011, , .	4.4	8
41	ELM Regularized Method for Classification Problems. <i>International Journal on Artificial Intelligence Tools</i> , 2016, 25, 1550026.	0.7	8
42	Sparse Manifold Clustering and Embedding to discriminate gene expression profiles of glioblastoma and meningioma tumors. <i>Computers in Biology and Medicine</i> , 2013, 43, 1863-1869.	3.9	7
43	Visual Data Mining With Self-organizing Maps for <i>Self-monitoring</i> Data Analysis. <i>Sociological Methods and Research</i> , 2018, 47, 492-506.	4.3	7
44	Lead Reconstruction Using Artificial Neural Networks for Ambulatory ECG Acquisition. <i>Sensors</i> , 2021, 21, 5542.	2.1	7
45	Crane collision modelling using a neural network approach. <i>Expert Systems With Applications</i> , 2004, 27, 341-348.	4.4	6
46	Application of machine learning techniques to analyse the effects of physical exercise in ventricular fibrillation. <i>Computers in Biology and Medicine</i> , 2014, 45, 1-7.	3.9	6
47	Assessment of Kinect V2 for elbow range of motion estimation in people with haemophilia using an angle correction model. <i>Haemophilia</i> , 2019, 25, e165-e173.	1.0	6
48	Description and evaluation of an introductory course to Matlab for a heterogeneous group of university students. <i>Computer Applications in Engineering Education</i> , 2010, 18, 750-756.	2.2	5
49	Matlab-based interface for the simultaneous acquisition of force measures and Doppler ultrasound muscular images. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 110, 76-81.	2.6	5
50	A new visualization tool for data mining techniques. <i>Progress in Artificial Intelligence</i> , 2016, 5, 137-154.	1.5	5
51	Use of SOMs for footwear comfort evaluation. <i>Neural Computing and Applications</i> , 2017, 28, 1763-1773.	3.2	5
52	Statistical criteria for early-stopping of support vector machines. <i>Neurocomputing</i> , 2007, 70, 2588-2592.	3.5	4
53	Kernel methods for HyMap imagery knowledge discovery. , 2004, , .		3
54	Non-linear RLS-based algorithm for pattern classification. <i>Signal Processing</i> , 2006, 86, 1104-1108.	2.1	3

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55	MATLAB-based educational software for exploratory data analysis (EDA toolkit). Computer Applications in Engineering Education, 2012, 20, 313-320.	2.2	3
56	Toward Optimal LSTM Neural Networks for Detecting Algorithmically Generated Domain Names. IEEE Access, 2021, 9, 126446-126456.	2.6	3
57	Analysis of the Pre and Post-COVID-19 Lockdown Use of Smartphone Apps in Spain. Applied Sciences (Switzerland), 2021, 11, 5807.	1.3	3
58	Use of Reinforcement Learning in Two Real Applications. Lecture Notes in Computer Science, 2008, , 191-204.	1.0	3
59	Analysis of ventricular fibrillation signals using feature selection methods. , 2012, , .		2
60	Improving Mortality Prediction in Cardiovascular Risk Patients by Balancing Classes. , 2015, , .		2
61	Automatic mass spectra recognition for Ultra High Vacuum systems using multilabel classification. Expert Systems With Applications, 2021, 178, 114959.	4.4	2
62	Comparing ELM Against MLP for Electrical Power Prediction in Buildings. Lecture Notes in Computer Science, 2015, , 409-418.	1.0	2
63	Educational Software Based on Matlab GUIs for Neural Networks Courses. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2016, , 333-358.	0.5	2
64	Robust automatic classification method for hyperspectral imagery. , 2004, 5238, 398.		1
65	Adaptive treatment of anemia on hemodialysis patients: A reinforcement learning approach. , 2011, , .		1
66	Implementation of a new adaptive algorithm using fuzzy cost function and robust to impulsive noise. , 2012, , .		1
67	Random extreme learning machines to predict electric load in buildings. Progress in Artificial Intelligence, 2016, 5, 129-135.	1.5	1
68	Comment on "Computer-Extracted Texture Features to Distinguish Cerebral Radionecrosis from Recurrent Brain Tumors on Multiparametric MRI: A Feasibility Study". American Journal of Neuroradiology, 2017, 38, E21-E21.	1.2	1
69	Visual Data Mining in Physiotherapy Using Self-Organizing Maps. Advances in Medical Technologies and Clinical Practice Book Series, 2012, , 187-194.	0.3	1
70	La agenda building de los partidos polÃticos espaÃoles en las redes sociales: Un anÃlisis de Big data. DÃgitos, 2020, 1, 253.	0.4	1
71	Enhancing decision-based neural networks through local competition. Neurocomputing, 2006, 69, 905-908.	3.5	0
72	Sectors on sectors (SonS): A new hierarchical clustering visualization tool. , 2011, , .		0

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73	An AI Walk from Pharmacokinetics to Marketing. , 2009, , 71-75.		0
74	Application of Machine Learning Techniques in the Study of the Relevance of Environmental Factors in Prediction of Tropospheric Ozone. , 2010, , 278-292.		0
75	Decay Detection in Citrus Fruits Using Hyperspectral Computer Vision. , 2012, , 104-123.		0
76	Artificial Neural Networks in Physical Therapy. , 2015, , 6358-6368.		0
77	Forecasting Techniques for Energy Optimization in Buildings. , 2015, , 967-977.		0
78	Reconstruction of Ultra-High Vacuum Mass Spectra Using Genetic Algorithms. Applied Sciences (Switzerland), 2021, 11, 11754.	1.3	0
79	Prediction of Temperature in Buildings Using Machine Learning Techniques. , 0, , 2901-2919.		0