

# Emilio Soria-Olivas

## List of Publications by Year in Descending Order

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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.

75  
papers

1,132  
citations

19  
h-index

31  
g-index

80  
ext. papers

1,395  
ext. citations

4.8  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
75	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> , <b>2021</b> , 1-26	3.7	2
74	Analysis of the Pre and Post-COVID-19 Lockdown Use of Smartphone Apps in Spain. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5807	2.6	0
73	Toward Optimal LSTM Neural Networks for Detecting Algorithmically Generated Domain Names. <i>IEEE Access</i> , <b>2021</b> , 9, 126446-126456	3.5	0
72	Automatic mass spectra recognition for Ultra High Vacuum systems using multilabel classification. <i>Expert Systems With Applications</i> , <b>2021</b> , 178, 114959	7.8	1
71	Reconstruction of Ultra-High Vacuum Mass Spectra Using Genetic Algorithms. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11754	2.6	
70	CitrusYield: A Dashboard for Mapping Yield and Fruit Quality of Citrus in Precision Agriculture. <i>Agronomy</i> , <b>2020</b> , 10, 128	3.6	10
69	Machine Learning for Mortality Analysis in Patients with COVID-19. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	13
68	Similarity and Consistency in Hotel Online Ratings across Platforms. <i>Journal of Travel Research</i> , <b>2020</b> , 59, 742-758	6.3	9
67	Influence of genetic factors in elbow tendon pathology: a case-control study. <i>Scientific Reports</i> , <b>2020</b> , 10, 6503	4.9	3
66	Detection of algorithmically generated malicious domain names using masked N-grams. <i>Expert Systems With Applications</i> , <b>2019</b> , 124, 156-163	7.8	19
65	Vibration Monitoring of the Mechanical Harvesting of Citrus to Improve Fruit Detachment Efficiency. <i>Sensors</i> , <b>2019</b> , 19,	3.8	6
64	Assessment of Kinect V2 for elbow range of motion estimation in people with haemophilia using an angle correction model. <i>Haemophilia</i> , <b>2019</b> , 25, e165-e173	3.3	4
63	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> , <b>2019</b> , 16,	4.6	7
62	Visual Data Mining With Self-organizing Maps for Self-monitoring Data Analysis. <i>Sociological Methods and Research</i> , <b>2018</b> , 47, 492-506	2.9	4
61	HemoKinect: A Microsoft Kinect V2 Based Exergaming Software to Supervise Physical Exercise of Patients with Hemophilia. <i>Sensors</i> , <b>2018</b> , 18,	3.8	16
60	Use of SOMs for footwear comfort evaluation. <i>Neural Computing and Applications</i> , <b>2017</b> , 28, 1763-1773	4.8	4
59	Comment on "Computer-Extracted Texture Features to Distinguish Cerebral Radionecrosis from Recurrent Brain Tumors on Multiparametric MRI: A Feasibility Study". <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, E21	4.4	1

58	ELM Regularized Method for Classification Problems. <i>International Journal on Artificial Intelligence Tools</i> , <b>2016</b> , 25, 1550026	0.9	8
57	A new visualization tool for data mining techniques. <i>Progress in Artificial Intelligence</i> , <b>2016</b> , 5, 137-154	4	3
56	Educational Software Based on Matlab GUIs for Neural Networks Courses. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , <b>2016</b> , 333-358	0.4	2
55	Online fitted policy iteration based on extreme learning machines. <i>Knowledge-Based Systems</i> , <b>2016</b> , 100, 200-211	7.3	7
54	Random extreme learning machines to predict electric load in buildings. <i>Progress in Artificial Intelligence</i> , <b>2016</b> , 5, 129-135	4	1
53	Improving Mortality Prediction in Cardiovascular Risk Patients by Balancing Classes <b>2015</b> ,		2
52	Support vector machine classification of brain metastasis and radiation necrosis based on texture analysis in MRI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 42, 1362-8	5.6	63
51	Comparing ELM Against MLP for Electrical Power Prediction in Buildings. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 409-418	0.9	2
50	Artificial Neural Networks in Physical Therapy <b>2015</b> , 6358-6368		
49	Forecasting Techniques for Energy Optimization in Buildings <b>2015</b> , 967-977		
48	Hardware implementation methods in Random Vector Functional-Link Networks. <i>Applied Intelligence</i> , <b>2014</b> , 41, 184-195	4.9	16
47	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
46	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
45	Least-squares temporal difference learning based on an extreme learning machine. <i>Neurocomputing</i> , <b>2014</b> , 141, 37-45	5.4	7
44	Application of machine learning techniques to analyse the effects of physical exercise in ventricular fibrillation. <i>Computers in Biology and Medicine</i> , <b>2014</b> , 45, 1-7	7	3
43	Machine learning methods to forecast temperature in buildings. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 1061-1068	7.8	35
42	Matlab-based interface for the simultaneous acquisition of force measures and Doppler ultrasound muscular images. <i>Computer Methods and Programs in Biomedicine</i> , <b>2013</b> , 110, 76-81	6.9	5
41	Sparse Manifold Clustering and Embedding to discriminate gene expression profiles of glioblastoma and meningioma tumors. <i>Computers in Biology and Medicine</i> , <b>2013</b> , 43, 1863-9	7	6

40	Visual data mining with self-organising maps for ventricular fibrillation analysis. <i>Computer Methods and Programs in Biomedicine</i> , <b>2013</b> , 111, 269-79	6.9	9
39	Expert system for predicting unstable angina based on Bayesian networks. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 5004-5010	7.8	24
38	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
37	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
36	MATLAB-based educational software for exploratory data analysis (EDA toolkit). <i>Computer Applications in Engineering Education</i> , <b>2012</b> , 20, 313-320	1.6	2
35	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
34	Implementation of a new adaptive algorithm using fuzzy cost function and robust to impulsive noise <b>2012</b> ,		1
33	Analysis of ventricular fibrillation signals using feature selection methods <b>2012</b> ,		2
32	Visual Data Mining in Physiotherapy Using Self-Organizing Maps. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , <b>2012</b> , 187-194	0.3	0
31	Decay Detection in Citrus Fruits Using Hyperspectral Computer Vision <b>2012</b> , 104-123		
30	BELM: Bayesian extreme learning machine. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 505-9		106
29	FPGA Implementation of an Adaptive Filter Robust to Impulsive Noise: Two Approaches. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 860-870	8.9	42
28	Regularized extreme learning machine for regression problems. <i>Neurocomputing</i> , <b>2011</b> , 74, 3716-3721	5.4	126
27	Estimating net radiation at surface using artificial neural networks: a new approach. <i>Theoretical and Applied Climatology</i> , <b>2011</b> , 106, 263-279	3	10
26	Modelling net radiation at surface using in situ netpyradiometer measurements with artificial neural networks. <i>Expert Systems With Applications</i> , <b>2011</b> ,	7.8	5
25	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
24	Application of Machine Learning Techniques in the Study of the Relevance of Environmental Factors in Prediction of Tropospheric Ozone <b>2010</b> , 278-292		
23	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

22	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
21	An AI Walk from Pharmacokinetics to Marketing <b>2009</b> , 71-75		
20	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
19	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
18	Use of Reinforcement Learning in Two Real Applications. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 191-204		3
17	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> , <b>2007</b> , 37, 359-372		6
16	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
15	Statistical criteria for early-stopping of support vector machines. <i>Neurocomputing</i> , <b>2007</b> , 70, 2588-2592	5.4	1
14	Enhancing decision-based neural networks through local competition. <i>Neurocomputing</i> , <b>2006</b> , 69, 905-908		4
13	Support vector machines for nonlinear kernel ARMA system identification. <i>IEEE Transactions on Neural Networks</i> , <b>2006</b> , 17, 1617-22		61
12	Neural networks for animal science applications: Two case studies. <i>Expert Systems With Applications</i> , <b>2006</b> , 31, 444-450	7.8	19
11	Non-linear RLS-based algorithm for pattern classification. <i>Signal Processing</i> , <b>2006</b> , 86, 1104-1108	4.4	3
10	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
9	Robust automatic classification method for hyperspectral imagery <b>2004</b> , 5238, 398		
8	Foetal ECG recovery using dynamic neural networks. <i>Artificial Intelligence in Medicine</i> , <b>2004</b> , 31, 197-209	7.4	45
7	Crane collision modelling using a neural network approach. <i>Expert Systems With Applications</i> , <b>2004</b> , 27, 341-348	7.8	6
6	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
5	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

4	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
3	Multi-dimensional Function Approximation and Regression Estimation. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 757-762	0.9	33
2	Automated Chest Radiographs Triage Reading by a Deep Learning Referee Network		1
1	Prediction of Temperature in Buildings Using Machine Learning Techniques2901-2919		