

Francisco Fernández-Navarro

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,521
citations

361045

20
h-index

329751

37
g-index

74
all docs

74
docs citations

74
times ranked

1438
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordinal Regression Methods: Survey and Experimental Study. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 127-146.	4.0	300
2	A dynamic over-sampling procedure based on sensitivity for multi-class problems. Pattern Recognition, 2011, 44, 1821-1833.	5.1	119
3	Learner support in MOOCs: Identifying variables linked to completion. Computers and Education, 2018, 122, 153-168.	5.1	77
4	PCA-ELM: A Robust and Pruned Extreme Learning Machine Approach Based on Principal Component Analysis. Neural Processing Letters, 2013, 37, 377-392.	2.0	69
5	Evolutionary Generalized Radial Basis Function neural networks for improving prediction accuracy in gene classification using feature selection. Applied Soft Computing Journal, 2012, 12, 1787-1800.	4.1	67
6	Global Sensitivity Estimates for Neural Network Classifiers. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2592-2604.	7.2	66
7	MELM-GRBF: A modified version of the extreme learning machine for generalized radial basis function neural networks. Neurocomputing, 2011, 74, 2502-2510.	3.5	63
8	Cost-Sensitive AdaBoost Algorithm for Ordinal Regression Based on Extreme Learning Machine. IEEE Transactions on Cybernetics, 2014, 44, 1898-1909.	6.2	62
9	Measuring teachers and learners's perceptions of the quality of their online learning experience. Distance Education, 2016, 37, 146-163.	2.5	43
10	Parameter estimation of q-Gaussian Radial Basis Functions Neural Networks with a Hybrid Algorithm for binary classification. Neurocomputing, 2012, 75, 123-134.	3.5	33
11	Ordinal Neural Networks Without Iterative Tuning. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2075-2085.	7.2	33
12	Negative Correlation Ensemble Learning for Ordinal Regression. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1836-1849.	7.2	32
13	Development of a multi-classification neural network model to determine the microbial growth/no growth interface. International Journal of Food Microbiology, 2010, 141, 203-212.	2.1	29
14	Hybridizing logistic regression with product unit and RBF networks for accurate detection and prediction of banking crises. Omega, 2010, 38, 333-344.	3.6	27
15	Evolutionary q-Gaussian radial basis function neural networks for multiclassification. Neural Networks, 2011, 24, 779-784.	3.3	26
16	Addressing the EU Sovereign Ratings Using an Ordinal Regression Approach. IEEE Transactions on Cybernetics, 2013, 43, 2228-2240.	6.2	26
17	Detection of early warning signals in paleoclimate data using a genetic time series segmentation algorithm. Climate Dynamics, 2015, 44, 1919-1933.	1.7	26
18	Memetic pareto differential evolutionary artificial neural networks to determine growth multi-classes in predictive microbiology. Evolutionary Intelligence, 2010, 3, 187-199.	2.3	22

#	ARTICLE	IF	CITATIONS
19	An Experimental Study of Different Ordinal Regression Methods and Measures. Lecture Notes in Computer Science, 2012, , 296-307.	1.0	22
20	Financial Soundness Prediction Using a Multi-classification Model: Evidence from Current Financial Crisis in OECD Banks. Computational Economics, 2018, 52, 275-297.	1.5	21
21	Students' perceptions about online teaching effectiveness: A bottom-up approach for identifying online instructors's roles. Australasian Journal of Educational Technology, 2018, 34, .	2.0	21
22	Weighting Efficient Accuracy and Minimum Sensitivity for Evolving Multi-Class Classifiers. Neural Processing Letters, 2011, 34, 101-116.	2.0	19
23	Evolutionary q-Gaussian Radial Basis Function Neural Network to determine the microbial growth/no growth interface of Staphylococcus aureus. Applied Soft Computing Journal, 2011, 11, 3012-3020.	4.1	19
24	Time series forecasting by recurrent product unit neural networks. Neural Computing and Applications, 2018, 29, 779-791.	3.2	18
25	Effect of a Job Demand-Control-Social Support Model on Accounting Professionals's Health Perception. International Journal of Environmental Research and Public Health, 2018, 15, 2437.	1.2	17
26	Generalised Gaussian radial basis function neural networks. Soft Computing, 2013, 17, 519-533.	2.1	16
27	Understanding student evaluations of teaching in online learning. Assessment and Evaluation in Higher Education, 2018, 43, 1272-1285.	3.9	16
28	A cross-national study of teachers's perceptions of online learning success. Open Learning, 2016, 31, 25-41.	2.4	14
29	A socially responsible consumption index based on non-linear dimensionality reduction and global sensitivity analysis. Applied Soft Computing Journal, 2018, 69, 599-609.	4.1	14
30	Neuro-logistic Models Based on Evolutionary Generalized Radial Basis Function for the Microarray Gene Expression Classification Problem. Neural Processing Letters, 2011, 34, 117-131.	2.0	13
31	Determination of relative agrarian technical efficiency by a dynamic over-sampling procedure guided by minimum sensitivity. Expert Systems With Applications, 2011, 38, 12483-12490.	4.4	13
32	Student Voices on the Roles of Instructors in Asynchronous Learning Environments in the 21st Century. International Review of Research in Open and Distance Learning, 2017, 18, .	1.0	13
33	On the suitability of Extreme Learning Machine for gene classification using feature selection. , 2010, , .		11
34	Optimisation of Non-Pharmaceutical Measures in COVID-19 Growth via Neural Networks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 79-91.	3.4	11
35	A Comprehensive Analysis of Factors Associated with Intimate Partner Femicide: A Systematic Review. International Journal of Environmental Research and Public Health, 2022, 19, 7336.	1.2	11
36	On the use of evolutionary time series analysis for segmenting paleoclimate data. Neurocomputing, 2019, 326-327, 3-14.	3.5	10

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37	Ensembles of evolutionary product unit or RBF neural networks for the identification of sound for pass-by noise test in vehicles. <i>Neurocomputing</i> , 2013, 109, 56-65.	3.5	9
38	<i>EduZinc</i>: a tool for the creation and assessment of student learning activities in complex open, online, and flexible learning environments. <i>Distance Education</i> , 2020, 41, 86-105.	2.5	9
39	Mean Squared Variance Portfolio: A Mixed-Integer Linear Programming Formulation. <i>Mathematics</i> , 2021, 9, 223.	1.1	9
40	Identifying Key Variables on the Way to Wellbeing in the Transition from Face-to-Face to Online Higher Education due to COVID-19: Evidence from the Q-Sort Technique. <i>Sustainability</i> , 2021, 13, 6112.	1.6	9
41	Ordinal regression by a gravitational model in the field of educational data mining. <i>Expert Systems</i> , 2016, 33, 161-175.	2.9	7
42	A two dimensional accuracy-based measure for classification performance. <i>Information Sciences</i> , 2017, 382-383, 60-80.	4.0	7
43	Regularized ensemble neural networks models in the Extreme Learning Machine framework. <i>Neurocomputing</i> , 2019, 361, 196-211.	3.5	7
44	Ordinal Regression by a Generalized Force-Based Model. <i>IEEE Transactions on Cybernetics</i> , 2015, 45, 844-857.	6.2	6
45	An experimental study on diversification in portfolio optimization. <i>Expert Systems With Applications</i> , 2021, 181, 115203.	4.4	6
46	Enforcement of the principal component analysisâ€“extreme learning machine algorithm by linear discriminant analysis. <i>Neural Computing and Applications</i> , 2016, 27, 1749-1760.	3.2	5
47	A Generalized Logistic Link Function for Cumulative Link Models in Ordinal Regression. <i>Neural Processing Letters</i> , 2017, 46, 251-269.	2.0	5
48	Negative correlation learning in the extreme learning machine framework. <i>Neural Computing and Applications</i> , 2020, 32, 13805-13823.	3.2	5
49	Promoting work Engagement in the Accounting Profession: a Machine Learning Approach. <i>Social Indicators Research</i> , 2021, 157, 653-670.	1.4	5
50	Global Negative Correlation Learning: A Unified Framework for Global Optimization of Ensemble Models. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 4031-4042.	7.2	4
51	Negative Correlation Hidden Layer for the Extreme Learning Machine. <i>Applied Soft Computing Journal</i> , 2021, 109, 107482.	4.1	4
52	Classification by Evolutionary Generalized Radial Basis Functions. , 2009, , .		3
53	Permanent disability classification by combining evolutionary Generalized Radial Basis Function and logistic regression methods. <i>Expert Systems With Applications</i> , 2012, 39, 8350-8355.	4.4	3
54	Towards Digital Sustainability: Profiles of Millennial Reviewers, Reputation Scores and Intrinsic Motivation Matter. <i>Sustainability</i> , 2021, 13, 3297.	1.6	3

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55	The Machine-Part Cell Formation Problem with Non-Binary Values: A MILP Model and a Case of Study in the Accounting Profession. <i>Mathematics</i> , 2021, 9, 1768.	1.1	3
56	Ensemble determination using the TOPSIS decision support system in multi-objective evolutionary neural network classifiers. , 2010, , .		2
57	Accountancy as a Meaningful Work. Main Determinants from a Job Quality and Optimization Algorithm Approach. <i>Sustainability</i> , 2021, 13, 9308.	1.6	2
58	Generalized Logistic Regression Models Using Neural Network Basis Functions Applied to the Detection of Banking Crises. <i>Lecture Notes in Computer Science</i> , 2010, , 1-10.	1.0	1
59	Selecting the best artificial neural network model from a multi-objective Differential Evolution Pareto front. , 2011, , .		1
60	Improvement of accuracy in a sound synthesis method using Evolutionary Product Unit Networks. <i>Expert Systems With Applications</i> , 2013, 40, 1477-1483.	4.4	1
61	A Preliminary Study of Diversity in Extreme Learning Machines Ensembles. <i>Lecture Notes in Computer Science</i> , 2018, , 302-314.	1.0	1
62	Hybrid Pareto Differential Evolutionary Artificial Neural Networks to Determined Growth Multi-classes in Predictive Microbiology. <i>Lecture Notes in Computer Science</i> , 2010, , 646-655.	1.0	1
63	Development and validation of a life skills evaluation tool for online learning based on the framework of the capability approach. <i>Educational Technology Research and Development</i> , 2021, 69, 3029-3049.	2.0	1
64	COVID-19 impact on the Spanish stock exchange with mean-variance and diversification-based portfolios. <i>Applied Economics Letters</i> , 0, , 1-7.	1.0	1
65	Evolutionary q-Gaussian Radial Basis Functions for Binary-Classification. <i>Lecture Notes in Computer Science</i> , 2010, , 280-287.	1.0	1
66	A Sensitivity Clustering Method for Memetic Training of Radial Basis Function Neural Networks. , 2009, , .		0
67	Characterizing Mathematics Learning in Colombian Higher Distance Education. <i>Mathematics</i> , 2021, 9, 1740.	1.1	0
68	Evolutionary q-Gaussian Radial Basis Functions for Improving Prediction Accuracy of Gene Classification Using Feature Selection. <i>Lecture Notes in Computer Science</i> , 2010, , 327-336.	1.0	0
69	Identification of Sound for Pass-by Noise Test in Vehicles Using Generalized Gaussian Radial Basis Function Neural Networks. <i>Advances in Intelligent and Soft Computing</i> , 2011, , 327-336.	0.2	0
70	Combining Evolutionary Generalized Radial Basis Function and Logistic Regression Methods for Classification. <i>Advances in Intelligent and Soft Computing</i> , 2011, , 263-270.	0.2	0
71	Neural Network Ensembles to Determine Growth Multi-classes in Predictive Microbiology. <i>Lecture Notes in Computer Science</i> , 2012, , 308-318.	1.0	0