MarÃ-a PÃ©rez-Ortiz

List of Publications by Year
in descending order

43 papers	1,122 citations	623188 14 h-index	395343 33 g-index
48 all docs	48 docs citations	48 times ranked	1265 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 semi-supervised system for weed mapping in sunflower crops using unmanned aerial vehicles and a crop row detection method. Applied Soft Computing Journal, 2015, 37, 533-544.	4.1	145
3	Selecting patterns and features for between- and within- crop-row weed mapping using UAV-imagery. Expert Systems With Applications, 2016, 47, 85-94.	4.4	132
4	A Review of Classification Problems and Algorithms in Renewable Energy Applications. Energies, 2016, 9, 607.	1.6	87
5	Oversampling the Minority Class in the Feature Space. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1947-1961.	7.2	53
6	Graph-Based Approaches for Over-Sampling in the Context of Ordinal Regression. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 1233-1245.	4.0	48
7	Validation of artificial neural networks as a methodology for donorâ€recipient matching for liver transplantation. Liver Transplantation, 2018, 24, 192-203.	1.3	47
8	Projection-Based Ensemble Learning for Ordinal Regression. IEEE Transactions on Cybernetics, 2014, 44, 681-694.	6.2	41
9	An organ allocation system for liver transplantation based on ordinal regression. Applied Soft Computing Journal, 2014, 14, 88-98.	4.1	37
10	Dynamically weighted evolutionary ordinal neural network for solving an imbalanced liver transplantation problem. Artificial Intelligence in Medicine, 2017, 77, 1-11.	3.8	35
11	From Pairwise Comparisons and Rating to a Unified Quality Scale. IEEE Transactions on Image Processing, 2020, 29, 1139-1151.	6.0	25
12	An Experimental Study of Different Ordinal Regression Methods and Measures. Lecture Notes in Computer Science, 2012, , 296-307.	1.0	22
13	Classification of EU countriesâ€™ progress towards sustainable development based on ordinal regression techniques. Knowledge-Based Systems, 2014, 66, 178-189.	4.0	19
14	Partial order label decomposition approaches for melanoma diagnosis. Applied Soft Computing Journal, 2018, 64, 341-355.	4.1	16
15	An evolutionary neural system for incorporating expert knowledge into the UA-FLP. Neurocomputing, 2014, 135, 69-78.	3.5	13
16	Synthetic semi-supervised learning in imbalanced domains: Constructing a model for donor-recipient matching in liver transplantation. Knowledge-Based Systems, 2017, 123, 75-87.	4.0	9
17	Ordinal classification of depression spatial hot-spots of prevalence. , 2011, , .		8
18	Psychometric scaling of TID2013 dataset. , 2018, , .		8

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19	Fisher Score-Based Feature Selection for Ordinal Classification: A Social Survey on Subjective Well-Being. Lecture Notes in Computer Science, 2016, , 597-608.	1.0	8
20	Memetic Pareto differential evolutionary neural network used to solve an unbalanced liver transplantation problem. Soft Computing, 2013, 17, 275-284.	2.1	7
21	Consolidated Dataset and Metrics for High-Dynamic-Range Image Quality. IEEE Transactions on Multimedia, 2022, 24, 2125-2138.	5.2	7
22	An n-Spheres Based Synthetic Data Generator for Supervised Classification. Lecture Notes in Computer Science, 2013, , 613-621.	1.0	7
23	A Study on Multi-Scale Kernel Optimisation via Centered Kernel-Target Alignment. Neural Processing Letters, 2016, 44, 491-517.	2.0	6
24	Classification of Melanoma Presence and Thickness Based on Computational Image Analysis. Lecture Notes in Computer Science, 2016, , 427-438.	1.0	5
25	On the Use of Nominal and Ordinal Classifiers for the Discrimination of States of Development in Fish Oocytes. Neural Processing Letters, 2016, 44, 555-570.	2.0	4
26	An Experimental Comparison for the Identification of Weeds in Sunflower Crops via Unmanned Aerial Vehicles and Object-Based Analysis. Lecture Notes in Computer Science, 2015, , 252-262.	1.0	4
27	Kernelising the Proportional Odds Model through kernel learning techniques. Neurocomputing, 2015, 164, 23-33.	3.5	3
28	SUM'20: State-based User Modelling. , 2020, , .		3
29	An ensemble approach for ordinal threshold models applied to liver transplantation. , 2012, , .		2
30	Trained Perceptual Transform for Quality Assessment of High Dynamic Range Images and Video. , 2018, , .		2
31	Ordinal Evolutionary Artificial Neural Networks for Solving an Imbalanced Liver Transplantation Problem. Lecture Notes in Computer Science, 2016, , 451-462.	1.0	2
32	Fine-to-Coarse Ranking in Ordinal and Imbalanced Domains: An Application to Liver Transplantation. Lecture Notes in Computer Science, 2017, , 525-537.	1.0	1
33	An Ordinal Regression Approach for the Unequal Area Facility Layout Problem. Advances in Intelligent Systems and Computing, 2013, , 13-21.	0.5	1
34	Luminance and chromatic contrast sensitivity at high light levels. Journal of Vision, 2019, 19, 70b.	0.1	1
35	Kernelizing the Proportional Odds Model through the Empirical Kernel Mapping. Lecture Notes in Computer Science, 2013, , 270-279.	1.0	1
36	Log-Gamma Distribution Optimisation via Maximum Likelihood for Ordered Probability Estimates. Lecture Notes in Computer Science, 2014, , 454-465.	1.0	1

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37	Energy Flux Range Classification by Using a Dynamic Window Autoregressive Model. Lecture Notes in Computer Science, 2015, , 92-102.	1.0	1
38	An Iterated Greedy Algorithm for Improving the Generation of Synthetic Patterns in Imbalanced Learning. Lecture Notes in Computer Science, 2017, , 513-524.	1.0	1
39	Class Switching Ensembles for Ordinal Regression. Lecture Notes in Computer Science, 2017, , 408-419.	1.0	1
40	Hybrid Multi-objective Machine Learning Classification in Liver Transplantation. Lecture Notes in Computer Science, 2012, , 397-408.	1.0	0
41	Visibility Metric for Visually Lossless Image Compression. , 2019, , .		0
42	A System Learning User Preferences for Multiobjective Optimization of Facility Layouts. Advances in Intelligent Systems and Computing, 2013, , 43-52.	0.5	0
43	Time Series Segmentation and Statistical Characterisation of the Spanish Stock Market Ibex-35 Index. Lecture Notes in Computer Science, 2014, , 74-85.	1.0	0