

Juan J RodrÃ-guez

List of Publications by Year in descending order

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66
papers

3,569
citations

304602

22
h-index

138417

58
g-index

73
all docs

73
docs citations

73
times ranked

3529
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotation Forest for multi-target regression. International Journal of Machine Learning and Cybernetics, 2022, 13, 523-548.	2.3	3
2	When is resampling beneficial for feature selection with imbalanced wide data?. Expert Systems With Applications, 2022, 188, 116015.	4.4	18
3	Monitoring of Student Learning in Learning Management Systems: An Application of Educational Data Mining Techniques. Applied Sciences (Switzerland), 2021, 11, 2677.	1.3	23
4	Experimental Assessment of Feature Extraction Techniques Applied to the Identification of Properties of Common Objects, Using a Radar System. Applied Sciences (Switzerland), 2021, 11, 6745.	1.3	0
5	Improve teaching with modalities and collaborative groups in an LMS: an analysis of monitoring using visualisation techniques. Journal of Computing in Higher Education, 2021, 33, 747-778.	3.9	12
6	Experimental evaluation of ensemble classifiers for imbalance in Big Data. Applied Soft Computing Journal, 2021, 108, 107447.	4.1	16
7	Rotation Forest for Big Data. Information Fusion, 2021, 74, 39-49.	11.7	8
8	Approx-SMOTE: Fast SMOTE for Big Data on Apache Spark. Neurocomputing, 2021, 464, 432-437.	3.5	15
9	Random Balance ensembles for multiclass imbalance learning. Knowledge-Based Systems, 2020, 193, 105434.	4.0	24
10	Lifelong Learning from Sustainable Education: An Analysis with Eye Tracking and Data Mining Techniques. Sustainability, 2020, 12, 1970.	1.6	16
11	An experimental evaluation of mixup regression forests. Expert Systems With Applications, 2020, 151, 113376.	4.4	11
12	Combining univariate approaches for ensemble change detection in multivariate data. Information Fusion, 2019, 45, 202-214.	11.7	23
13	Local sets for multi-label instance selection. Applied Soft Computing Journal, 2018, 68, 651-666.	4.1	24
14	On feature selection protocols for very low-sample-size data. Pattern Recognition, 2018, 81, 660-673.	5.1	31
15	Study of data transformation techniques for adapting single-label prototype selection algorithms to multi-label learning. Expert Systems With Applications, 2018, 109, 114-130.	4.4	15
16	A decision-making tool based on decision trees for roughness prediction in face milling. International Journal of Computer Integrated Manufacturing, 2017, 30, 943-957.	2.9	16
17	Restricted set classification: Who is there?. Pattern Recognition, 2017, 63, 158-170.	5.1	5
18	Instance selection of linear complexity for big data. Knowledge-Based Systems, 2016, 107, 83-95.	4.0	59

#	ARTICLE	IF	CITATIONS
19	Instance selection for regression: Adapting DROP. Neurocomputing, 2016, 201, 66-81.	3.5	25
20	Instance selection for regression by discretization. Expert Systems With Applications, 2016, 54, 340-350.	4.4	24
21	Random feature weights for regression trees. Progress in Artificial Intelligence, 2016, 5, 91-103.	1.5	4
22	Diversity techniques improve the performance of the best imbalance learning ensembles. Information Sciences, 2015, 325, 98-117.	4.0	141
23	Random Balance: Ensembles of variable priors classifiers for imbalanced data. Knowledge-Based Systems, 2015, 85, 96-111.	4.0	185
24	Stacking for multivariate time series classification. Pattern Analysis and Applications, 2015, 18, 297-312.	3.1	32
25	A weighted voting framework for classifiers ensembles. Knowledge and Information Systems, 2014, 38, 259-275.	2.1	176
26	Online breakage detection of multitooth tools using classifier ensembles for imbalanced data. International Journal of Systems Science, 2014, 45, 2590-2602.	3.7	25
27	Tree ensemble construction using a GRASP-based heuristic and annealed randomness. Information Fusion, 2014, 20, 189-202.	11.7	10
28	Interval feature extraction for classification of event-related potentials (ERP) in EEG data analysis. Progress in Artificial Intelligence, 2013, 2, 65-72.	1.5	25
29	Rotation Forests for regression. Applied Mathematics and Computation, 2013, 219, 9914-9924.	1.4	23
30	Random Oracle Ensembles for Imbalanced Data. Lecture Notes in Computer Science, 2013, , 247-258.	1.0	1
31	Improvements in Modelling of Complex Manufacturing Processes Using Classification Techniques. Lecture Notes in Computer Science, 2013, , 664-673.	1.0	0
32	Disturbing Neighbors Ensembles of Trees for Imbalanced Data. , 2012, , .		1
33	Classifier Ensemble Methods for Diagnosing COPD from Volatile Organic Compounds in Exhaled Air. International Journal of Knowledge Discovery in Bioinformatics, 2012, 3, 1-15.	0.8	0
34	Random feature weights for decision tree ensemble construction. Information Fusion, 2012, 13, 20-30.	11.7	56
35	Supervised subspace projections for constructing ensembles of classifiers. Information Sciences, 2012, 193, 1-21.	4.0	38
36	Ensembles of Decision Trees for Imbalanced Data. Lecture Notes in Computer Science, 2011, , 76-85.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Random projections for linear SVM ensembles. Applied Intelligence, 2011, 34, 347-359.	3.3	18
38	Modelling of process parameters in laser polishing of steel components using ensembles of regression trees. International Journal of Computer Integrated Manufacturing, 2011, 24, 735-747.	2.9	25
39	Rotation of Random Forests for Genomic and Proteomic Classification Problems. Advances in Experimental Medicine and Biology, 2011, 696, 211-221.	0.8	13
40	Random Oracles for Regression Ensembles. Studies in Computational Intelligence, 2011, , 181-199.	0.7	4
41	Classifier ensembles for fMRI data analysis: an experiment. Magnetic Resonance Imaging, 2010, 28, 583-593.	1.0	71
42	Random Subspace Ensembles for fMRI Classification. IEEE Transactions on Medical Imaging, 2010, 29, 531-542.	5.4	191
43	Finding optimal classifiers for small feature sets in genomics and proteomics. Neurocomputing, 2010, 73, 2346-2352.	3.5	4
44	Forests of nested dichotomies. Pattern Recognition Letters, 2010, 31, 125-132.	2.6	23
45	Ensemble Methods and Model Based Diagnosis Using Possible Conflicts and System Decomposition. Lecture Notes in Computer Science, 2010, , 116-125.	1.0	3
46	Random Projections for SVM Ensembles. Lecture Notes in Computer Science, 2010, , 87-95.	1.0	0
47	An Experimental Study on Ensembles of Functional Trees. Lecture Notes in Computer Science, 2010, , 64-73.	1.0	0
48	Disturbing Neighbors Ensembles for Linear SVM. Lecture Notes in Computer Science, 2009, , 191-200.	1.0	1
49	Disturbing Neighbors Diversity for Decision Forests. Studies in Computational Intelligence, 2009, , 113-133.	0.7	7
50	Boosting recombined weak classifiers. Pattern Recognition Letters, 2008, 29, 1049-1059.	2.6	50
51	Feature Selection and Classification for Small Gene Sets. Lecture Notes in Computer Science, 2008, , 121-131.	1.0	5
52	Combining Online Classification Approaches for Changing Environments. Lecture Notes in Computer Science, 2008, , 520-529.	1.0	15
53	Cascading with VDM and Binary Decision Trees for Nominal Data. Studies in Computational Intelligence, 2008, , 165-178.	0.7	0
54	Classifier Ensembles with a Random Linear Oracle. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 500-508.	4.0	131

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55	Rotation Forest and Random Oracles: Two Classifier Ensemble Methods. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	6
56	Diagnosing scrapie in sheep: A classification experiment. Computers in Biology and Medicine, 2007, 37, 1194-1202.	3.9	10
57	Cascading for Nominal Data. , 2007, , 231-240.		3
58	Naïve Bayes Ensembles with a Random Oracle. , 2007, , 450-458.		17
59	An Experimental Study on Rotation Forest Ensembles. , 2007, , 459-468.		116
60	Stacking Dynamic Time Warping for the Diagnosis of Dynamic Systems. Lecture Notes in Computer Science, 2007, , 11-20.	1.0	2
61	Rotation Forest: A New Classifier Ensemble Method. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1619-1630.	9.7	1,558
62	DIAGNOSIS OF CONTINUOUS DYNAMIC SYSTEMS: INTEGRATING CONSISTENCY BASED DIAGNOSIS WITH MACHINE-LEARNING TECHNIQUES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 179-184.	0.4	2
63	Support vector machines of interval-based features for time series classification. Knowledge-Based Systems, 2005, 18, 171-178.	4.0	68
64	Interval and dynamic time warping-based decision trees. , 2004, , .		51
65	Boosting interval based literals1. Intelligent Data Analysis, 2001, 5, 245-262.	0.4	54
66	Learning First Order Logic Time Series Classifiers: Rules and Boosting. Lecture Notes in Computer Science, 2000, , 299-308.	1.0	19