Juan J RodrÃ-guez

List of Publications by Year
in descending order

66	3,569	304602 22	138417 58
papers	citations	h-index	g-index

73	73	73	3529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rotation Forest: A New Classifier Ensemble Method. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1619-1630.	9.7	1,558
2	Random Subspace Ensembles for fMRI Classification. IEEE Transactions on Medical Imaging, 2010, 29, 531-542.	5.4	191
3	Random Balance: Ensembles of variable priors classifiers for imbalanced data. Knowledge-Based Systems, 2015, 85, 96-111.	4.0	185
4	A weighted voting framework for classifiers ensembles. Knowledge and Information Systems, 2014, 38, 259-275.	2.1	176
5	Diversity techniques improve the performance of the best imbalance learning ensembles. Information Sciences, 2015, 325, 98-117.	4.0	141
6	Classifier Ensembles with a Random Linear Oracle. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 500-508.	4.0	131
7	An Experimental Study on Rotation Forest Ensembles. , 2007, , 459-468.		116
8	Classifier ensembles for fMRI data analysis: an experiment. Magnetic Resonance Imaging, 2010, 28, 583-593.	1.0	71
9	Support vector machines of interval-based features for time series classification. Knowledge-Based Systems, 2005, 18, 171-178.	4.0	68
10	Instance selection of linear complexity for big data. Knowledge-Based Systems, 2016, 107, 83-95.	4.0	59
11	Random feature weights for decision tree ensemble construction. Information Fusion, 2012, 13, 20-30.	11.7	56
12	Boosting interval based literals1. Intelligent Data Analysis, 2001, 5, 245-262.	0.4	54
13	Interval and dynamic time warping-based decision trees. , 2004, , .		51
14	Boosting recombined weak classifiers. Pattern Recognition Letters, 2008, 29, 1049-1059.	2.6	50
15	Supervised subspace projections for constructing ensembles of classifiers. Information Sciences, 2012, 193, 1-21.	4.0	38
16	Stacking for multivariate time series classification. Pattern Analysis and Applications, 2015, 18, 297-312.	3.1	32
17	On feature selection protocols for very low-sample-size data. Pattern Recognition, 2018, 81, 660-673.	5.1	31
18	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

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19	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
20	Online breakage detection of multitooth tools using classifier ensembles for imbalanced data. International Journal of Systems Science, 2014, 45, 2590-2602.	3.7	25
21	Instance selection for regression: Adapting DROP. Neurocomputing, 2016, 201, 66-81.	3.5	25
22	Instance selection for regression by discretization. Expert Systems With Applications, 2016, 54, 340-350.	4.4	24
23	Local sets for multi-label instance selection. Applied Soft Computing Journal, 2018, 68, 651-666.	4.1	24
24	Random Balance ensembles for multiclass imbalance learning. Knowledge-Based Systems, 2020, 193, 105434.	4.0	24
25	Forests of nested dichotomies. Pattern Recognition Letters, 2010, 31, 125-132.	2.6	23
26	Rotation Forests for regression. Applied Mathematics and Computation, 2013, 219, 9914-9924.	1.4	23
27	Combining univariate approaches for ensemble change detection in multivariate data. Information Fusion, 2019, 45, 202-214.	11.7	23
28	Monitoring of Student Learning in Learning Management Systems: An Application of Educational Data Mining Techniques. Applied Sciences (Switzerland), 2021, 11, 2677.	1.3	23
29	Learning First Order Logic Time Series Classifiers: Rules and Boosting. Lecture Notes in Computer Science, 2000, , 299-308.	1.0	19
30	Random projections for linear SVM ensembles. Applied Intelligence, 2011, 34, 347-359.	3.3	18
31	When is resampling beneficial for feature selection with imbalanced wide data?. Expert Systems With Applications, 2022, 188, 116015.	4.4	18
32	NaÃ¨ve Bayes Ensembles with a Random Oracle. , 2007, , 450-458.		17
33	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
34	Lifelong Learning from Sustainable Education: An Analysis with Eye Tracking and Data Mining Techniques. Sustainability, 2020, 12, 1970.	1.6	16
35	Experimental evaluation of ensemble classifiers for imbalance in Big Data. Applied Soft Computing Journal, 2021, 108, 107447.	4.1	16
36	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

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37	Approx-SMOTE: Fast SMOTE for Big Data on Apache Spark. Neurocomputing, 2021, 464, 432-437.	3.5	15
38	Combining Online Classification Approaches for Changing Environments. Lecture Notes in Computer Science, 2008, , 520-529.	1.0	15
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	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
41	An experimental evaluation of mixup regression forests. Expert Systems With Applications, 2020, 151, 113376.	4.4	11
42	Diagnosing scrapie in sheep: A classification experiment. Computers in Biology and Medicine, 2007, 37, 1194-1202.	3.9	10
43	Tree ensemble construction using a GRASP-based heuristic and annealed randomness. Information Fusion, 2014, 20, 189-202.	11.7	10
44	Rotation Forest for Big Data. Information Fusion, 2021, 74, 39-49.	11.7	8
45	Disturbing Neighbors Diversity for Decision Forests. Studies in Computational Intelligence, 2009, , 113-133.	0.7	7
46	Rotation Forest and Random Oracles: Two Classifier Ensemble Methods. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	6
47	Restricted set classification: Who is there?. Pattern Recognition, 2017, 63, 158-170.	5.1	5
48	Feature Selection and Classification for Small Gene Sets. Lecture Notes in Computer Science, 2008, , 121-131.	1.0	5
49	Finding optimal classifiers for small feature sets in genomics and proteomics. Neurocomputing, 2010, 73, 2346-2352.	3.5	4
50	Random feature weights for regression trees. Progress in Artificial Intelligence, 2016, 5, 91-103.	1.5	4
51	Random Oracles for Regression Ensembles. Studies in Computational Intelligence, 2011, , 181-199.	0.7	4
52	Rotation Forest for multi-target regression. International Journal of Machine Learning and Cybernetics, 2022, 13, 523-548.	2.3	3
53	Cascading for Nominal Data. , 2007, , 231-240.		3
54	Ensemble Methods and Model Based Diagnosis Using Possible Conflicts and System Decomposition. Lecture Notes in Computer Science, 2010, , 116-125.	1.0	3

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55	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
56	Ensembles of Decision Trees for Imbalanced Data. Lecture Notes in Computer Science, 2011, , 76-85.	1.0	2
57	Stacking Dynamic Time Warping for the Diagnosis of Dynamic Systems. Lecture Notes in Computer Science, 2007, , 11-20.	1.0	2
58	Disturbing Neighbors Ensembles of Trees for Imbalanced Data. , 2012, , .		1
59	Disturbing Neighbors Ensembles for Linear SVM. Lecture Notes in Computer Science, 2009, , 191-200.	1.0	1
60	Random Oracle Ensembles for Imbalanced Data. Lecture Notes in Computer Science, 2013, , 247-258.	1.0	1
61	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
62	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
63	Cascading with VDM and Binary Decision Trees for Nominal Data. Studies in Computational Intelligence, 2008, , 165-178.	0.7	0
64	Random Projections for SVM Ensembles. Lecture Notes in Computer Science, 2010, , 87-95.	1.0	0
65	An Experimental Study on Ensembles of Functional Trees. Lecture Notes in Computer Science, 2010, , 64-73.	1.0	0
66	Improvements in Modelling of Complex Manufacturing Processes Using Classification Techniques. Lecture Notes in Computer Science, 2013, , 664-673.	1.0	0