

# Juan J Rodriguez

## List of Publications by Citations

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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.

71  
papers

2,694  
citations

20  
h-index

51  
g-index

73  
ext. papers

3,179  
ext. citations

4.5  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
71	Rotation forest: A new classifier ensemble method. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2006</b> , 28, 1619-30	13.3	1230
70	Random subspace ensembles for FMRI classification. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 531-42	11.7	151
69	Random Balance: Ensembles of variable priors classifiers for imbalanced data. <i>Knowledge-Based Systems</i> , <b>2015</b> , 85, 96-111	7.3	139
68	A weighted voting framework for classifiers ensembles. <i>Knowledge and Information Systems</i> , <b>2014</b> , 38, 259-275	2.4	126
67	Diversity techniques improve the performance of the best imbalance learning ensembles. <i>Information Sciences</i> , <b>2015</b> , 325, 98-117	7.7	112
66	Classifier Ensembles with a Random Linear Oracle. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2007</b> , 19, 500-508	4.2	104
65	An Experimental Study on Rotation Forest Ensembles <b>2007</b> , 459-468		91
64	Classifier ensembles for fMRI data analysis: an experiment. <i>Magnetic Resonance Imaging</i> , <b>2010</b> , 28, 583-93	3.3	60
63	Support vector machines of interval-based features for time series classification. <i>Knowledge-Based Systems</i> , <b>2005</b> , 18, 171-178	7.3	58
62	Boosting recombined weak classifiers. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 1049-1059	4.7	42
61	Random feature weights for decision tree ensemble construction. <i>Information Fusion</i> , <b>2012</b> , 13, 20-30	16.7	40
60	Instance selection of linear complexity for big data. <i>Knowledge-Based Systems</i> , <b>2016</b> , 107, 83-95	7.3	40
59	Boosting interval based literals1. <i>Intelligent Data Analysis</i> , <b>2001</b> , 5, 245-262	1.1	39
58	Interval and dynamic time warping-based decision trees <b>2004</b> ,		33
57	Supervised subspace projections for constructing ensembles of classifiers. <i>Information Sciences</i> , <b>2012</b> , 193, 1-21	7.7	30
56	Online breakage detection of multitooth tools using classifier ensembles for imbalanced data. <i>International Journal of Systems Science</i> , <b>2014</b> , 45, 2590-2602	2.3	22
55	Interval feature extraction for classification of event-related potentials (ERP) in EEG data analysis. <i>Progress in Artificial Intelligence</i> , <b>2013</b> , 2, 65-72	4	21

54	Modelling of process parameters in laser polishing of steel components using ensembles of regression trees. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2011</b> , 24, 735-747	4.3	21
53	Stacking for multivariate time series classification. <i>Pattern Analysis and Applications</i> , <b>2015</b> , 18, 297-312	2.3	20
52	On feature selection protocols for very low-sample-size data. <i>Pattern Recognition</i> , <b>2018</b> , 81, 660-673	7.7	20
51	Instance selection for regression: Adapting DROP. <i>Neurocomputing</i> , <b>2016</b> , 201, 66-81	5.4	20
50	Instance selection for regression by discretization. <i>Expert Systems With Applications</i> , <b>2016</b> , 54, 340-350	7.8	19
49	Local sets for multi-label instance selection. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 68, 651-666	7.5	16
48	Random projections for linear SVM ensembles. <i>Applied Intelligence</i> , <b>2011</b> , 34, 347-359	4.9	16
47	Forests of nested dichotomies. <i>Pattern Recognition Letters</i> , <b>2010</b> , 31, 125-132	4.7	15
46	Rotation Forests for regression. <i>Applied Mathematics and Computation</i> , <b>2013</b> , 219, 9914-9924	2.7	14
45	Combining univariate approaches for ensemble change detection in multivariate data. <i>Information Fusion</i> , <b>2019</b> , 45, 202-214	16.7	13
44	Naïve Bayes Ensembles with a Random Oracle <b>2007</b> , 450-458		12
43	Combining Online Classification Approaches for Changing Environments. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 520-529	0.9	12
42	Learning First Order Logic Time Series Classifiers: Rules and Boosting. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 299-308	0.9	12
41	A decision-making tool based on decision trees for roughness prediction in face milling. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2017</b> , 30, 943-957	4.3	11
40	Rotation of random forests for genomic and proteomic classification problems. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 696, 211-21	3.6	10
39	Lifelong Learning from Sustainable Education: An Analysis with Eye Tracking and Data Mining Techniques. <i>Sustainability</i> , <b>2020</b> , 12, 1970	3.6	8
38	Tree ensemble construction using a GRASP-based heuristic and annealed randomness. <i>Information Fusion</i> , <b>2014</b> , 20, 189-202	16.7	8
37	Diagnosing scrapie in sheep: a classification experiment. <i>Computers in Biology and Medicine</i> , <b>2007</b> , 37, 1194-202	7	8

36	Random Balance ensembles for multiclass imbalance learning. <i>Knowledge-Based Systems</i> , <b>2020</b> , 193, 105434	7.3	8
35	Monitoring of Student Learning in Learning Management Systems: An Application of Educational Data Mining Techniques. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2677	2.6	7
34	An experimental evaluation of mixup regression forests. <i>Expert Systems With Applications</i> , <b>2020</b> , 151, 113376	7.8	7
33	Study of data transformation techniques for adapting single-label prototype selection algorithms to multi-label learning. <i>Expert Systems With Applications</i> , <b>2018</b> , 109, 114-130	7.8	7
32	Rotation Forest and Random Oracles: Two Classifier Ensemble Methods. <i>Proceedings of the IEEE Symposium on Computer-Based Medical Systems</i> , <b>2007</b> ,		5
31	Feature Selection and Classification for Small Gene Sets. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 121-131	9	5
30	Disturbing Neighbors Diversity for Decision Forests. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 113-133	0.8	5
29	Experimental evaluation of ensemble classifiers for imbalance in Big Data. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 108, 107447	7.5	5
28	Random feature weights for regression trees. <i>Progress in Artificial Intelligence</i> , <b>2016</b> , 5, 91-103	4	4
27	Restricted set classification: Who is there?. <i>Pattern Recognition</i> , <b>2017</b> , 63, 158-170	7.7	4
26	GRASP Forest: A New Ensemble Method for Trees. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 66-75	0.9	4
25	Finding optimal classifiers for small feature sets in genomics and proteomics. <i>Neurocomputing</i> , <b>2010</b> , 73, 2346-2352	5.4	4
24	Random Oracles for Regression Ensembles. <i>Studies in Computational Intelligence</i> , <b>2011</b> , 181-199	0.8	4
23	Improve teaching with modalities and collaborative groups in an LMS: an analysis of monitoring using visualisation techniques. <i>Journal of Computing in Higher Education</i> , <b>2021</b> , 33, 1-32	3.5	4
22	Ensemble Methods and Model Based Diagnosis Using Possible Conflicts and System Decomposition. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 116-125	0.9	3
21	An Empirical Study of Multilayer Perceptron Ensembles for Regression Tasks. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 106-115	0.9	3
20	Approx-SMOTE: Fast SMOTE for Big Data on Apache Spark. <i>Neurocomputing</i> , <b>2021</b> , 464, 432-437	5.4	3
19	Using Model Trees and Their Ensembles for Imbalanced Data. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 94-103	0.9	2

18	Ensembles of Decision Trees for Imbalanced Data. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 76-85	0.9	2
17	When is resampling beneficial for feature selection with imbalanced wide data?. <i>Expert Systems With Applications</i> , <b>2022</b> , 188, 116015	7.8	2
16	Cascading for Nominal Data <b>2007</b> , 231-240		2
15	Stacking Dynamic Time Warping for the Diagnosis of Dynamic Systems. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 11-20	0.9	2
14	Multivariate Time Series Classification via Stacking of Univariate Classifiers. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 135-151	0.8	2
13	Using Ensembles of Regression Trees to Monitor Lubricating Oil Quality. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 199-206	0.9	2
12	Disturbing Neighbors Ensembles of Trees for Imbalanced Data <b>2012</b> ,		1
11	DIAGNOSIS OF CONTINUOUS DYNAMIC SYSTEMS: INTEGRATING CONSISTENCY BASED DIAGNOSIS WITH MACHINE-LEARNING TECHNIQUES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 179-184		1
10	Disturbing Neighbors Ensembles for Linear SVM. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 191-200	0.9	1
9	Random Oracle Ensembles for Imbalanced Data. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 247-258	0.9	1
8	Rotation Forest for Big Data. <i>Information Fusion</i> , <b>2021</b> , 74, 39-49	16.7	1
7	Rotation Forest for multi-target regression. <i>International Journal of Machine Learning and Cybernetics</i> ,1	3.8	0
6	An Experimental Study on Combining Binarization Techniques and Ensemble Methods of Decision Trees. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 181-193	0.9	
5	Classifier Ensemble Methods for Diagnosing COPD from Volatile Organic Compounds in Exhaled Air. <i>International Journal of Knowledge Discovery in Bioinformatics</i> , <b>2012</b> , 3, 1-15		
4	Random Projections for SVM Ensembles. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 87-95	0.9	
3	An Experimental Study on Ensembles of Functional Trees. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 64-73	0.9	
2	Improvements in Modelling of Complex Manufacturing Processes Using Classification Techniques. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 664-673	0.9	
1	Experimental Assessment of Feature Extraction Techniques Applied to the Identification of Properties of Common Objects, Using a Radar System. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6745	2.6	

