

Iaki Inza Cano

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.

60
papers

5,324
citations

24
h-index

61
g-index

61
ext. papers

6,237
ext. citations

4.2
avg, IF

5.68
L-index

#	Paper	IF	Citations
60	A review of feature selection techniques in bioinformatics. <i>Bioinformatics</i> , 2007 , 23, 2507-17	7.2	3212
59	Machine learning in bioinformatics. <i>Briefings in Bioinformatics</i> , 2006 , 7, 86-112	13.4	484
58	Filter versus wrapper gene selection approaches in DNA microarray domains. <i>Artificial Intelligence in Medicine</i> , 2004 , 31, 91-103	7.4	293
57	Differential micro RNA expression in PBMC from multiple sclerosis patients. <i>PLoS ONE</i> , 2009 , 4, e6309	3.7	184
56	Bayesian classifiers based on kernel density estimation: Flexible classifiers. <i>International Journal of Approximate Reasoning</i> , 2009 , 50, 341-362	3.6	89
55	Dealing with the evaluation of supervised classification algorithms. <i>Artificial Intelligence Review</i> , 2015 , 44, 467-508	9.7	78
54	Approaching Sentiment Analysis by using semi-supervised learning of multi-dimensional classifiers. <i>Neurocomputing</i> , 2012 , 92, 98-115	5.4	68
53	Supervised classification with conditional Gaussian networks: Increasing the structure complexity from naive Bayes. <i>International Journal of Approximate Reasoning</i> , 2006 , 43, 1-25	3.6	61
52	Feature selection in Bayesian classifiers for the prognosis of survival of cirrhotic patients treated with TIPS. <i>Journal of Biomedical Informatics</i> , 2005 , 38, 376-88	10.2	60
51	GENE SELECTION FOR CANCER CLASSIFICATION USING WRAPPER APPROACHES. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2004 , 18, 1373-1390	1.1	53
50	Weak supervision and other non-standard classification problems: A taxonomy. <i>Pattern Recognition Letters</i> , 2016 , 69, 49-55	4.7	51
49	Fish recruitment prediction, using robust supervised classification methods. <i>Ecological Modelling</i> , 2010 , 221, 338-352	3	48
48	A review of estimation of distribution algorithms in bioinformatics. <i>BioData Mining</i> , 2008 , 1, 6	4.3	46
47	Learning Bayesian networks in the space of structures by estimation of distribution algorithms. <i>International Journal of Intelligent Systems</i> , 2003 , 18, 205-220	8.4	44
46	Using Bayesian networks in the construction of a bi-level multi-classifier. A case study using intensive care unit patients data. <i>Artificial Intelligence in Medicine</i> , 2001 , 22, 233-48	7.4	43
45	Feature subset selection by Bayesian networks: a comparison with genetic and sequential algorithms. <i>International Journal of Approximate Reasoning</i> , 2001 , 27, 143-164	3.6	40
44	Machine learning: an indispensable tool in bioinformatics. <i>Methods in Molecular Biology</i> , 2010 , 593, 25-48	4.4	40

43	Learning Bayesian network classifiers from label proportions. <i>Pattern Recognition</i> , 2013 , 46, 3425-3440	7.7	39
42	Gene expression profiling in limb-girdle muscular dystrophy 2A. <i>PLoS ONE</i> , 2008 , 3, e3750	3.7	34
41	Identification of a biomarker panel for colorectal cancer diagnosis. <i>BMC Cancer</i> , 2012 , 12, 43	4.8	32
40	Optimizing the number of classes in automated zooplankton classification. <i>Journal of Plankton Research</i> , 2009 , 31, 19-29	2.2	32
39	Measuring the class-imbalance extent of multi-class problems. <i>Pattern Recognition Letters</i> , 2017 , 98, 32-38	4.7	31
38	A new measure for gene expression biclustering based on non-parametric correlation. <i>Computer Methods and Programs in Biomedicine</i> , 2013 , 112, 367-97	6.9	28
37	Supervised pre-processing approaches in multiple class variables classification for fish recruitment forecasting. <i>Environmental Modelling and Software</i> , 2013 , 40, 245-254	5.2	26
36	Peakbin selection in mass spectrometry data using a consensus approach with estimation of distribution algorithms. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011 , 8, 760-74	3	22
35	Detecting reliable gene interactions by a hierarchy of Bayesian network classifiers. <i>Computer Methods and Programs in Biomedicine</i> , 2008 , 91, 110-21	6.9	19
34	Analyzing rare event, anomaly, novelty and outlier detection terms under the supervised classification framework. <i>Artificial Intelligence Review</i> , 2020 , 53, 3575-3594	9.7	17
33	Evaluating machine-learning techniques for recruitment forecasting of seven North East Atlantic fish species. <i>Ecological Informatics</i> , 2015 , 25, 35-42	4.2	15
32	Learning to classify software defects from crowds: A novel approach. <i>Applied Soft Computing Journal</i> , 2018 , 62, 579-591	7.5	14
31	Microarray analysis of autoimmune diseases by machine learning procedures. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2009 , 13, 341-50		13
30	Fitting the data from embryo implantation prediction: Learning from label proportions. <i>Statistical Methods in Medical Research</i> , 2018 , 27, 1056-1066	2.3	12
29	Semisupervised Multiclass Classification Problems With Scarcity of Labeled Data: A Theoretical Study. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2602-2614	10.3	8
28	A Method for Wind Speed Forecasting in Airports Based on Nonparametric Regression. <i>Weather and Forecasting</i> , 2014 , 29, 1332-1342	2.1	8
27	Multidimensional Learning from Crowds: Usefulness and Application of Expertise Detection. <i>International Journal of Intelligent Systems</i> , 2015 , 30, 326-354	8.4	8
26	Learning Naive Bayes Models for Multiple-Instance Learning with Label Proportions. <i>Lecture Notes in Computer Science</i> , 2011 , 134-144	0.9	7

25	Assisting in search heuristics selection through multidimensional supervised classification: A case study on software testing. <i>Information Sciences</i> , 2014 , 258, 122-139	7.7	6
24	Wrapper positive Bayesian network classifiers. <i>Knowledge and Information Systems</i> , 2012 , 33, 631-654	2.4	6
23	Learning from Proportions of Positive and Unlabeled Examples. <i>International Journal of Intelligent Systems</i> , 2017 , 32, 109-133	8.4	5
22	A Guide to the Literature on Inferring Genetic Networks by Probabilistic Graphical Models 2005 , 215-238		4
21	Medical Bayes Networks. <i>Lecture Notes in Computer Science</i> , 2000 , 4-14	0.9	4
20	A system for airport weather forecasting based on circular regression trees. <i>Environmental Modelling and Software</i> , 2018 , 100, 24-32	5.2	3
19	Efficient approximation of probability distributions with k-order decomposable models. <i>International Journal of Approximate Reasoning</i> , 2016 , 74, 58-87	3.6	3
18	A Note on the Behavior of Majority Voting in Multi-Class Domains with Biased Annotators. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 31, 195-200	4.2	3
17	Information Theory and Classification Error in Probabilistic Classifiers. <i>Lecture Notes in Computer Science</i> , 2006 , 347-351	0.9	3
16	Triku: a feature selection method based on nearest neighbors for single-cell data.. <i>GigaScience</i> , 2022 , 11,	7.6	3
15	Aggregated outputs by linear models: An application on marine litter beaching prediction. <i>Information Sciences</i> , 2019 , 481, 381-393	7.7	2
14	Two datasets of defect reports labeled by a crowd of annotators of unknown reliability. <i>Data in Brief</i> , 2018 , 18, 840-845	1.2	2
13	Feature Subset Selection Using Probabilistic Tree Structures. A Case Study in the Survival of Cirrhotic Patients Treated with TIPS. <i>Lecture Notes in Computer Science</i> , 2000 , 97-110	0.9	2
12	On Applying Supervised Classification Techniques in Medicine. <i>Lecture Notes in Computer Science</i> , 2001 , 14-19	0.9	2
11	A Novel Weakly Supervised Problem: Learning from Positive-Unlabeled Proportions. <i>Lecture Notes in Computer Science</i> , 2015 , 3-13	0.9	2
10	Machine Learning Inspired Approaches to Combine Standard Medical Measures at an Intensive Care Unit?. <i>Lecture Notes in Computer Science</i> , 1999 , 366-371	0.9	2
9	Triku: a feature selection method based on nearest neighbors for single-cell data		2
8	Estimation of Distribution Algorithms for Feature Subset Selection in Large Dimensionality Domains 2002 , 97-116		1

7	Bayesian Classifiers with Consensus Gene Selection: A Case Study in the Systemic Lupus Erythematosus. <i>Mathematics in Industry</i> , 2008 , 560-565	0.2	1
6	Learning from Crowds in Multi-dimensional Classification Domains. <i>Lecture Notes in Computer Science</i> , 2013 , 352-362	0.9	1
5	SNDProb: A probabilistic approach for streaming novelty detection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022 , 1-1	4.2	0
4	Learning a Battery of COVID-19 Mortality Prediction Models by Multi-objective Optimization. <i>Lecture Notes in Computer Science</i> , 2022 , 332-342	0.9	0
3	Selective Classifiers Can Be Too Restrictive: A Case-Study in Oesophageal Cancer. <i>Lecture Notes in Computer Science</i> , 2004 , 212-223	0.9	
2	Learning Bayesian Networks by Floating Search Methods. <i>Studies in Fuzziness and Soft Computing</i> , 2004 , 181-200	0.7	
1	Multidimensional k-Interaction Classifier: Taking Advantage of All the Information Contained in Low Order Interactions. <i>Lecture Notes in Computer Science</i> , 2013 , 393-401	0.9	