IÃ'aki Inza Cano

List of Publications by Year
in descending order

54 papers	7,009 citations	236925 25 h-index	155660 55 g-index
61 all docs	61 docs citations	61 times ranked	9350 citing authors

#	Article	IF	Citations
1	Triku: a feature selection method based on nearest neighbors for single-cell data. GigaScience, 2022, 11, .	6.4	13
2	SNDProb: A probabilistic approach for streaming novelty detection. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	1
3	Analyzing rare event, anomaly, novelty and outlier detection terms under the supervised classification framework. Artificial Intelligence Review, 2020, 53, 3575-3594.	15.7	33
4	A Note on the Behavior of Majority Voting in Multi-Class Domains with Biased Annotators. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 195-200.	5.7	7
5	Aggregated outputs by linear models: An application on marine litter beaching prediction. Information Sciences, 2019, 481, 381-393.	6.9	6
6	A system for airport weather forecasting based on circular regression trees. Environmental Modelling and Software, 2018, 100, 24-32.	4.5	4
7	Fitting the data from embryo implantation prediction: Learning from label proportions. Statistical Methods in Medical Research, 2018, 27, 1056-1066.	1.5	22
8	Learning to classify software defects from crowds: A novel approach. Applied Soft Computing Journal, 2018, 62, 579-591.	7.2	25
9	Two datasets of defect reports labeled by a crowd of annotators of unknown reliability. Data in Brief, 2018, 18, 840-845.	1.0	2
10	Measuring the class-imbalance extent of multi-class problems. Pattern Recognition Letters, 2017, 98, 32-38.	4.2	55
11	Learning from Proportions of Positive and Unlabeled Examples. International Journal of Intelligent Systems, 2017, 32, 109-133.	5.7	6
12	Efficient approximation of probability distributions with k-order decomposable models. International Journal of Approximate Reasoning, 2016, 74, 58-87.	3.3	3
13	Semisupervised Multiclass Classification Problems With Scarcity of Labeled Data: A Theoretical Study. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2602-2614.	11.3	11
14	Weak supervision and other non-standard classification problems: A taxonomy. Pattern Recognition Letters, 2016, 69, 49-55.	4.2	67
15	Multidimensional Learning from Crowds: Usefulness and Application of Expertise Detection. International Journal of Intelligent Systems, 2015, 30, 326-354.	5.7	8
16	Dealing with the evaluation of supervised classification algorithms. Artificial Intelligence Review, 2015, 44, 467-508.	15.7	132
17	Evaluating machine-learning techniques for recruitment forecasting of seven North East Atlantic fish species. Ecological Informatics, 2015, 25, 35-42.	5.2	18
18	A Novel Weakly Supervised Problem: Learning from Positive-Unlabeled Proportions. Lecture Notes in Computer Science, 2015, , 3-13.	1.3	2

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19	Assisting in search heuristics selection through multidimensional supervised classification: A case study on software testing. Information Sciences, 2014, 258, 122-139.	6.9	6
20	A Method for Wind Speed Forecasting in Airports Based on Nonparametric Regression. Weather and Forecasting, 2014, 29, 1332-1342.	1.4	9
21	A new measure for gene expression biclustering based on non-parametric correlation. Computer Methods and Programs in Biomedicine, 2013, 112, 367-397.	4.7	36
22	Learning Bayesian network classifiers from label proportions. Pattern Recognition, 2013, 46, 3425-3440.	8.1	46
23	Supervised pre-processing approaches in multiple class variables classification for fish recruitment forecasting. Environmental Modelling and Software, 2013, 40, 245-254.	4.5	29
24	Multidimensional k-Interaction Classifier: Taking Advantage of All the Information Contained in Low Order Interactions. Lecture Notes in Computer Science, 2013, , 393-401.	1.3	0
25	Wrapper positive Bayesian network classifiers. Knowledge and Information Systems, 2012, 33, 631-654.	3.2	6
26	Approaching Sentiment Analysis by using semi-supervised learning of multi-dimensional classifiers. Neurocomputing, 2012, 92, 98-115.	5.9	90
27	Identification of a biomarker panel for colorectal cancer diagnosis. BMC Cancer, 2012, 12, 43.	2.6	40
28	Peakbin Selection in Mass Spectrometry Data Using a Consensus Approach with Estimation of Distribution Algorithms. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 760-774.	3.0	26
29	Fish recruitment prediction, using robust supervised classification methods. Ecological Modelling, 2010, 221, 338-352.	2.5	58
30	Machine Learning: An Indispensable Tool in Bioinformatics. Methods in Molecular Biology, 2010, 593, 25-48.	0.9	61
31	Optimizing the number of classes in automated zooplankton classification. Journal of Plankton Research, 2009, 31, 19-29.	1.8	38
32	Microarray Analysis of Autoimmune Diseases by Machine Learning Procedures. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 341-350.	3.2	15
33	Bayesian classifiers based on kernel density estimation: Flexible classifiers. International Journal of Approximate Reasoning, 2009, 50, 341-362.	3.3	117
34	Differential Micro RNA Expression in PBMC from Multiple Sclerosis Patients. PLoS ONE, 2009, 4, e6309.	2.5	222
35	A review of estimation of distribution algorithms in bioinformatics. BioData Mining, 2008, 1, 6.	4.0	61
36	Detecting reliable gene interactions by a hierarchy of Bayesian network classifiers. Computer Methods and Programs in Biomedicine, 2008, 91, 110-121.	4.7	23

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37	Gene Expression Profiling in Limb-Girdle Muscular Dystrophy 2A. PLoS ONE, 2008, 3, e3750.	2.5	41
38	Bayesian Classifiers with Consensus Gene Selection: A Case Study in the Systemic Lupus Erythematosus. Mathematics in Industry, 2008, , 560-565.	0.3	2
39	A review of feature selection techniques in bioinformatics. Bioinformatics, 2007, 23, 2507-2517.	4.1	4,126
40	Machine learning in bioinformatics. Briefings in Bioinformatics, 2006, 7, 86-112.	6.5	674
41	Supervised classification with conditional Gaussian networks: Increasing the structure complexity from naive Bayes. International Journal of Approximate Reasoning, 2006, 43, 1-25.	3.3	95
42	Information Theory and Classification Error in Probabilistic Classifiers. Lecture Notes in Computer Science, 2006, , 347-351.	1.3	3
43	A Guide to the Literature on Inferring Genetic Networks by Probabilistic Graphical Models. , 2005, , 215-238.		5
44	Feature selection in Bayesian classifiers for the prognosis of survival of cirrhotic patients treated with TIPS. Journal of Biomedical Informatics, 2005, 38, 376-388.	4.3	69
45	GENE SELECTION FOR CANCER CLASSIFICATION USING WRAPPER APPROACHES. International Journal of Pattern Recognition and Artificial Intelligence, 2004, 18, 1373-1390.	1.2	68
46	Filter versus wrapper gene selection approaches in DNA microarray domains. Artificial Intelligence in Medicine, 2004, 31, 91-103.	6.5	367
47	Learning Bayesian Networks by Floating Search Methods. Studies in Fuzziness and Soft Computing, 2004, , 181-200.	0.8	1
48	Learning Bayesian networks in the space of structures by estimation of distribution algorithms. International Journal of Intelligent Systems, 2003, 18, 205-220.	5.7	58
49	Estimation of Distribution Algorithms for Feature Subset Selection in Large Dimensionality Domains. , 2002, , 97-116.		3
50	Feature subset selection by Bayesian networks: a comparison with genetic and sequential algorithms. International Journal of Approximate Reasoning, 2001, 27, 143-164.	3.3	107
51	Using Bayesian networks in the construction of a bi-level multi-classifier. A case study using intensive care unit patients data. Artificial Intelligence in Medicine, 2001, 22, 233-248.	6.5	53
52	On Applying Supervised Classification Techniques in Medicine. Lecture Notes in Computer Science, 2001, , 14-19.	1.3	2
53	Feature Subset Selection Using Probabilistic Tree Structures. A Case Study in the Survival of Cirrhotic Patients Treated with TIPS. Lecture Notes in Computer Science, 2000, , 97-110.	1.3	2
54	Machine Learning Inspired Approaches to Combine Standard Medical Measures at an Intensive Care Unit?. Lecture Notes in Computer Science, 1999, , 366-371.	1.3	2