

IÃ'aki Inza Cano

List of Publications by Year in descending order

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Version: 2024-02-01

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	A review of feature selection techniques in bioinformatics. <i>Bioinformatics</i> , 2007, 23, 2507-2517.	4.1	4,126
2	Machine learning in bioinformatics. <i>Briefings in Bioinformatics</i> , 2006, 7, 86-112.	6.5	674
3	Filter versus wrapper gene selection approaches in DNA microarray domains. <i>Artificial Intelligence in Medicine</i> , 2004, 31, 91-103.	6.5	367
4	Differential Micro RNA Expression in PBMC from Multiple Sclerosis Patients. <i>PLoS ONE</i> , 2009, 4, e6309.	2.5	222
5	Dealing with the evaluation of supervised classification algorithms. <i>Artificial Intelligence Review</i> , 2015, 44, 467-508.	15.7	132
6	Bayesian classifiers based on kernel density estimation: Flexible classifiers. <i>International Journal of Approximate Reasoning</i> , 2009, 50, 341-362.	3.3	117
7	Feature subset selection by Bayesian networks: a comparison with genetic and sequential algorithms. <i>International Journal of Approximate Reasoning</i> , 2001, 27, 143-164.	3.3	107
8	Supervised classification with conditional Gaussian networks: Increasing the structure complexity from naive Bayes. <i>International Journal of Approximate Reasoning</i> , 2006, 43, 1-25.	3.3	95
9	Approaching Sentiment Analysis by using semi-supervised learning of multi-dimensional classifiers. <i>Neurocomputing</i> , 2012, 92, 98-115.	5.9	90
10	Feature selection in Bayesian classifiers for the prognosis of survival of cirrhotic patients treated with TIPS. <i>Journal of Biomedical Informatics</i> , 2005, 38, 376-388.	4.3	69
11	GENE SELECTION FOR CANCER CLASSIFICATION USING WRAPPER APPROACHES. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2004, 18, 1373-1390.	1.2	68
12	Weak supervision and other non-standard classification problems: A taxonomy. <i>Pattern Recognition Letters</i> , 2016, 69, 49-55.	4.2	67
13	A review of estimation of distribution algorithms in bioinformatics. <i>BioData Mining</i> , 2008, 1, 6.	4.0	61
14	Machine Learning: An Indispensable Tool in Bioinformatics. <i>Methods in Molecular Biology</i> , 2010, 593, 25-48.	0.9	61
15	Learning Bayesian networks in the space of structures by estimation of distribution algorithms. <i>International Journal of Intelligent Systems</i> , 2003, 18, 205-220.	5.7	58
16	Fish recruitment prediction, using robust supervised classification methods. <i>Ecological Modelling</i> , 2010, 221, 338-352.	2.5	58
17	Measuring the class-imbalance extent of multi-class problems. <i>Pattern Recognition Letters</i> , 2017, 98, 32-38.	4.2	55
18	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, 233-248.	6.5	53

#	ARTICLE	IF	CITATIONS
19	Learning Bayesian network classifiers from label proportions. <i>Pattern Recognition</i> , 2013, 46, 3425-3440.	8.1	46
20	Gene Expression Profiling in Limb-Girdle Muscular Dystrophy 2A. <i>PLoS ONE</i> , 2008, 3, e3750.	2.5	41
21	Identification of a biomarker panel for colorectal cancer diagnosis. <i>BMC Cancer</i> , 2012, 12, 43.	2.6	40
22	Optimizing the number of classes in automated zooplankton classification. <i>Journal of Plankton Research</i> , 2009, 31, 19-29.	1.8	38
23	A new measure for gene expression biclustering based on non-parametric correlation. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 112, 367-397.	4.7	36
24	Analyzing rare event, anomaly, novelty and outlier detection terms under the supervised classification framework. <i>Artificial Intelligence Review</i> , 2020, 53, 3575-3594.	15.7	33
25	Supervised pre-processing approaches in multiple class variables classification for fish recruitment forecasting. <i>Environmental Modelling and Software</i> , 2013, 40, 245-254.	4.5	29
26	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, 760-774.	3.0	26
27	Learning to classify software defects from crowds: A novel approach. <i>Applied Soft Computing Journal</i> , 2018, 62, 579-591.	7.2	25
28	Detecting reliable gene interactions by a hierarchy of Bayesian network classifiers. <i>Computer Methods and Programs in Biomedicine</i> , 2008, 91, 110-121.	4.7	23
29	Fitting the data from embryo implantation prediction: Learning from label proportions. <i>Statistical Methods in Medical Research</i> , 2018, 27, 1056-1066.	1.5	22
30	Evaluating machine-learning techniques for recruitment forecasting of seven North East Atlantic fish species. <i>Ecological Informatics</i> , 2015, 25, 35-42.	5.2	18
31	Microarray Analysis of Autoimmune Diseases by Machine Learning Procedures. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2009, 13, 341-350.	3.2	15
32	Triku: a feature selection method based on nearest neighbors for single-cell data. <i>GigaScience</i> , 2022, 11, .	6.4	13
33	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.	11.3	11
34	A Method for Wind Speed Forecasting in Airports Based on Nonparametric Regression. <i>Weather and Forecasting</i> , 2014, 29, 1332-1342.	1.4	9
35	Multidimensional Learning from Crowds: Usefulness and Application of Expertise Detection. <i>International Journal of Intelligent Systems</i> , 2015, 30, 326-354.	5.7	8
36	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.	5.7	7

#	ARTICLE	IF	CITATIONS
37	Wrapper positive Bayesian network classifiers. Knowledge and Information Systems, 2012, 33, 631-654.	3.2	6
38	Assisting in search heuristics selection through multidimensional supervised classification: A case study on software testing. Information Sciences, 2014, 258, 122-139.	6.9	6
39	Learning from Proportions of Positive and Unlabeled Examples. International Journal of Intelligent Systems, 2017, 32, 109-133.	5.7	6
40	Aggregated outputs by linear models: An application on marine litter beaching prediction. Information Sciences, 2019, 481, 381-393.	6.9	6
41	A Guide to the Literature on Inferring Genetic Networks by Probabilistic Graphical Models. , 2005, , 215-238.		5
42	A system for airport weather forecasting based on circular regression trees. Environmental Modelling and Software, 2018, 100, 24-32.	4.5	4
43	Efficient approximation of probability distributions with k-order decomposable models. International Journal of Approximate Reasoning, 2016, 74, 58-87.	3.3	3
44	Information Theory and Classification Error in Probabilistic Classifiers. Lecture Notes in Computer Science, 2006, , 347-351.	1.3	3
45	Estimation of Distribution Algorithms for Feature Subset Selection in Large Dimensionality Domains. , 2002, , 97-116.		3
46	Two datasets of defect reports labeled by a crowd of annotators of unknown reliability. Data in Brief, 2018, 18, 840-845.	1.0	2
47	A Novel Weakly Supervised Problem: Learning from Positive-Unlabeled Proportions. Lecture Notes in Computer Science, 2015, , 3-13.	1.3	2
48	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
49	On Applying Supervised Classification Techniques in Medicine. Lecture Notes in Computer Science, 2001, , 14-19.	1.3	2
50	Bayesian Classifiers with Consensus Gene Selection: A Case Study in the Systemic Lupus Erythematosus. Mathematics in Industry, 2008, , 560-565.	0.3	2
51	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
52	Learning Bayesian Networks by Floating Search Methods. Studies in Fuzziness and Soft Computing, 2004, , 181-200.	0.8	1
53	SNDProb: A probabilistic approach for streaming novelty detection. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	1
54	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