

Alberto 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.

70
papers

1,343
citations

21
h-index

34
g-index

72
ext. papers

1,739
ext. citations

4.2
avg, IF

5.63
L-index

#	Paper	IF	Citations
70	Early dropout prediction using data mining: a case study with high school students. <i>Expert Systems</i> , 2016 , 33, 107-124	2.1	128
69	Predicting student failure at school using genetic programming and different data mining approaches with high dimensional and imbalanced data. <i>Applied Intelligence</i> , 2013 , 38, 315-330	4.9	100
68	Multi-target support vector regression via correlation regressor chains. <i>Information Sciences</i> , 2017 , 415-416, 53-69	7.7	72
67	Weighted data gravitation classification for standard and imbalanced data. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1672-87	10.2	69
66	Adapted K-Nearest Neighbors for Detecting Anomalies on Spatio-temporal Traffic Flow. <i>IEEE Access</i> , 2019 , 7, 10015-10027	3.5	51
65	. <i>IEEE Access</i> , 2019 , 7, 12192-12205	3.5	51
64	Online ensemble learning with abstaining classifiers for drifting and noisy data streams. <i>Applied Soft Computing Journal</i> , 2018 , 68, 677-692	7.5	50
63	Kappa Updated Ensemble for drifting data stream mining. <i>Machine Learning</i> , 2020 , 109, 175-218	4	50
62	High performance evaluation of evolutionary-mined association rules on GPUs. <i>Journal of Supercomputing</i> , 2013 , 66, 1438-1461	2.5	40
61	An interpretable classification rule mining algorithm. <i>Information Sciences</i> , 2013 , 240, 1-20	7.7	39
60	Distributed multi-label feature selection using individual mutual information measures. <i>Knowledge-Based Systems</i> , 2020 , 188, 105052	7.3	39
59	ur-CAIM: improved CAIM discretization for unbalanced and balanced data. <i>Soft Computing</i> , 2016 , 20, 173-188	3.5	34
58	A survey on graphic processing unit computing for large-scale data mining. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2018 , 8, e1232	6.9	32
57	Speeding up the evaluation phase of GP classification algorithms on GPUs. <i>Soft Computing</i> , 2012 , 16, 187-202	3.5	31
56	LAIM discretization for multi-label data. <i>Information Sciences</i> , 2016 , 330, 370-384	7.7	28
55	Multi-objective genetic programming for feature extraction and data visualization. <i>Soft Computing</i> , 2017 , 21, 2069-2089	3.5	27
54	Exploiting GPU and cluster parallelism in single scan frequent itemset mining. <i>Information Sciences</i> , 2019 , 496, 363-377	7.7	27

53	Distributed nearest neighbor classification for large-scale multi-label data on spark. <i>Future Generation Computer Systems</i> , 2018 , 87, 66-82	7.5	26
52	Speeding-Up Association Rule Mining With Inverted Index Compression. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 3059-3072	10.2	26
51	Evolving rule-based classifiers with genetic programming on GPUs for drifting data streams. <i>Pattern Recognition</i> , 2019 , 87, 248-268	7.7	24
50	An ensemble approach to multi-view multi-instance learning. <i>Knowledge-Based Systems</i> , 2017 , 136, 46-57.3	7.3	22
49	Interpretable Multiview Early Warning System Adapted to Underrepresented Student Populations. <i>IEEE Transactions on Learning Technologies</i> , 2019 , 12, 198-211	4	21
48	Speeding up multiple instance learning classification rules on GPUs. <i>Knowledge and Information Systems</i> , 2015 , 44, 127-145	2.4	19
47	MIRSVM: Multi-instance support vector machine with bag representatives. <i>Pattern Recognition</i> , 2018 , 79, 228-241	7.7	19
46	Exploring Pattern Mining Algorithms for Hashtag Retrieval Problem. <i>IEEE Access</i> , 2020 , 8, 10569-10583	3.5	18
45	Sentiment Classification from Multi-class Imbalanced Twitter Data Using Binarization. <i>Lecture Notes in Computer Science</i> , 2017 , 26-37	0.9	17
44	Extremely high-dimensional optimization with MapReduce: Scaling functions and algorithm. <i>Information Sciences</i> , 2017 , 415-416, 110-127	7.7	17
43	Parallel multi-objective Ant Programming for classification using GPUs. <i>Journal of Parallel and Distributed Computing</i> , 2013 , 73, 713-728	4.4	17
42	Trajectory Outlier Detection. <i>ACM Transactions on Management Information Systems</i> , 2020 , 11, 1-29	2	17
41	OLLAVV: OnLine Learning Algorithm using Worst-Violators. <i>Applied Soft Computing Journal</i> , 2018 , 66, 384-393	7.5	16
40	Speeding up k-Nearest Neighbors classifier for large-scale multi-label learning on GPUs. <i>Neurocomputing</i> , 2019 , 354, 10-19	5.4	15
39	A Data-Driven Approach for Twitter Hashtag Recommendation. <i>IEEE Access</i> , 2020 , 8, 79182-79191	3.5	15
38	A Two-Phase Anomaly Detection Model for Secure Intelligent Transportation Ride-Hailing Trajectories. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 4496-4506	6.1	15
37	Parallel evaluation of Pittsburgh rule-based classifiers on GPUs. <i>Neurocomputing</i> , 2014 , 126, 45-57	5.4	12
36	Multi-Label Punitive kNN with Self-Adjusting Memory for Drifting Data Streams. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2019 , 13, 1-31	4	12

35	Discovering useful patterns from multiple instance data. <i>Information Sciences</i> , 2016 , 357, 23-38	7.7	11
34	A general-purpose distributed pattern mining system. <i>Applied Intelligence</i> , 2020 , 50, 2647-2662	4.9	10
33	A locally weighted learning method based on a data gravitation model for multi-target regression. <i>International Journal of Computational Intelligence Systems</i> , 2018 , 11, 282	3.4	10
32	Distributed Selection of Continuous Features in Multilabel Classification Using Mutual Information. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2280-2293	10.3	9
31	GPU-parallel subtree interpreter for genetic programming 2014 ,		9
30	Blocking Self-Avoiding Walks Stops Cyber-Epidemics: A Scalable GPU-Based Approach. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 1263-1275	4.2	8
29	A Data Structure to Speed-Up Machine Learning Algorithms on Massive Datasets. <i>Lecture Notes in Computer Science</i> , 2016 , 365-376	0.9	7
28	Scalable CAIM discretization on multiple GPUs using concurrent kernels. <i>Journal of Supercomputing</i> , 2014 , 69, 273-292	2.5	7
27	A hybrid dynamic programming for solving a mixed-model sequencing problem with production mix restriction and free interruptions. <i>Progress in Artificial Intelligence</i> , 2017 , 6, 27-39	4	7
26	100 Million dimensions large-scale global optimization using distributed GPU computing 2016 ,		7
25	Large-Scale Multi-label Ensemble Learning on Spark 2017 ,		5
24	An EP algorithm for learning highly interpretable classifiers 2011 ,		5
23	Parallelization strategies for markerless human motion capture. <i>Journal of Real-Time Image Processing</i> , 2018 , 14, 453-467	1.9	4
22	Time Series Segmentation Based on Stationarity Analysis to Improve New Samples Prediction. <i>Sensors</i> , 2021 , 21,	3.8	4
21	Adaptive Ensemble Active Learning for Drifting Data Stream Mining 2019 ,		4
20	Solving Classification Problems Using Genetic Programming Algorithms on GPUs. <i>Lecture Notes in Computer Science</i> , 2010 , 17-26	0.9	4
19	A Parallel Genetic Programming Algorithm for Classification. <i>Lecture Notes in Computer Science</i> , 2011 , 172-181	0.9	4
18	Active Learning with Abstaining Classifiers for Imbalanced Drifting Data Streams 2019 ,		4

17	Hybrid Group Anomaly Detection for Sequence Data: Application to Trajectory Data Analytics. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	4
16	PSIONplus Server for Accurate Multi-Label Prediction of Ion Channels and Their Types. <i>Biomolecules</i> , 2020 , 10,	5.9	3
15	Classification Rule Mining with Iterated Greedy. <i>Lecture Notes in Computer Science</i> , 2014 , 585-596	0.9	3
14	Genetic Programming for Mining Association Rules in Relational Database Environments 2015 , 431-450		3
13	Self-adjusting k nearest neighbors for continual learning from multi-label drifting data streams. <i>Neurocomputing</i> , 2021 , 442, 10-25	5.4	3
12	Selecting local ensembles for multi-class imbalanced data classification 2018 ,		3
11	A Grammar-Guided Genetic Programming Algorithm for Multi-Label Classification. <i>Lecture Notes in Computer Science</i> , 2013 , 217-228	0.9	2
10	Learning Classification Rules with Differential Evolution for High-Speed Data Stream Mining on GPU s 2018 ,		2
9	An ontology matching approach for semantic modeling: A case study in smart cities. <i>Computational Intelligence</i> ,	2.5	2
8	Binary and multiclass imbalanced classification using multi-objective ant programming 2012 ,		1
7	Analysis and forecasting of rivers pH level using deep learning. <i>Progress in Artificial Intelligence</i> ,1	4	1
6	Adaptive ensemble of self-adjusting nearest neighbor subspaces for multi-label drifting data streams. <i>Neurocomputing</i> , 2022 , 481, 228-248	5.4	0
5	Synthesis of In-Place Iterative Sorting Algorithms Using GP: A Comparison Between STGP, SFGP, G3P and GE. <i>Lecture Notes in Computer Science</i> , 2015 , 305-310	0.9	0
4	When the Decomposition Meets the Constraint Satisfaction Problem. <i>IEEE Access</i> , 2020 , 8, 207034-207043	3.5	0
3	ROSE: robust online self-adjusting ensemble for continual learning on imbalanced drifting data streams. <i>Machine Learning</i> ,1	4	0
2	ARFF Data Source Library for Distributed Single/Multiple Instance, Single/Multiple Output Learning on Apache Spark. <i>Lecture Notes in Computer Science</i> , 2019 , 173-179	0.9	
1	Locally Linear Support Vector Machines for Imbalanced Data Classification. <i>Lecture Notes in Computer Science</i> , 2021 , 616-628	0.9	