Alberto Cano

List of Publications by Year in descending order

72 papers	2,169 citations	218381 26 h-index	243296 44 g-index
72 all docs	72 docs citations	72 times ranked	1763 citing authors

#	Article	IF	Citations
1	Early dropout prediction using data mining: a case study with high school students. Expert Systems, 2016, 33, 107-124.	2.9	191
2	Predicting student failure at school using genetic programming and different data mining approaches with high dimensional and imbalanced data. Applied Intelligence, 2013, 38, 315-330.	3.3	152
3	Multi-target support vector regression via correlation regressor chains. Information Sciences, 2017, 415-416, 53-69.	4.0	106
4	Kappa Updated Ensemble for drifting data stream mining. Machine Learning, 2020, 109, 175-218.	3.4	104
5	Weighted Data Gravitation Classification for Standard and Imbalanced Data. IEEE Transactions on Cybernetics, 2013, 43, 1672-1687.	6.2	90
6	Adapted K-Nearest Neighbors for Detecting Anomalies on Spatio–Temporal Traffic Flow. IEEE Access, 2019, 7, 10015-10027.	2.6	85
7	Distributed multi-label feature selection using individual mutual information measures. Knowledge-Based Systems, 2020, 188, 105052.	4.0	85
8	A Survey on Urban Traffic Anomalies Detection Algorithms. IEEE Access, 2019, 7, 12192-12205.	2.6	83
9	Online ensemble learning with abstaining classifiers for drifting and noisy data streams. Applied Soft Computing Journal, 2018, 68, 677-692.	4.1	79
10	An interpretable classification rule mining algorithm. Information Sciences, 2013, 240, 1-20.	4.0	63
11	Interpretable Multiview Early Warning System Adapted to Underrepresented Student Populations. IEEE Transactions on Learning Technologies, 2019, 12, 198-211.	2.2	52
12	A survey on graphic processing unit computing for large-scale data mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1232.	4.6	47
13	Exploiting GPU and cluster parallelism in single scan frequent itemset mining. Information Sciences, 2019, 496, 363-377.	4.0	46
14	High performance evaluation of evolutionary-mined association rules on GPUs. Journal of Supercomputing, 2013, 66, 1438-1461.	2.4	43
15	ur-CAIM: improved CAIM discretization for unbalanced and balanced data. Soft Computing, 2016, 20, 173-188.	2.1	40
16	A Two-Phase Anomaly Detection Model for Secure Intelligent Transportation Ride-Hailing Trajectories. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4496-4506.	4.7	40
17	Evolving rule-based classifiers with genetic programming on GPUs for drifting data streams. Pattern Recognition, 2019, 87, 248-268.	5.1	39
18	Speeding up the evaluation phase of GP classification algorithms on GPUs. Soft Computing, 2012, 16, 187-202.	2.1	38

#	Article	IF	Citations
19	Multi-objective genetic programming for feature extraction and data visualization. Soft Computing, 2017, 21, 2069-2089.	2.1	37
20	LAIM discretization for multi-label data. Information Sciences, 2016, 330, 370-384.	4.0	35
21	Distributed nearest neighbor classification for large-scale multi-label data on spark. Future Generation Computer Systems, 2018, 87, 66-82.	4.9	35
22	Speeding-Up Association Rule Mining With Inverted Index Compression. IEEE Transactions on Cybernetics, 2016, 46, 3059-3072.	6.2	33
23	Trajectory Outlier Detection. ACM Transactions on Management Information Systems, 2020, 11, 1-29.	2.1	32
24	Speeding up k-Nearest Neighbors classifier for large-scale multi-label learning on GPUs. Neurocomputing, 2019, 354, 10-19.	3.5	31
25	Exploring Pattern Mining Algorithms for Hashtag Retrieval Problem. IEEE Access, 2020, 8, 10569-10583.	2.6	31
26	ROSE: robust online self-adjusting ensemble for continual learning on imbalanced drifting data streams. Machine Learning, 2022, 111, 2561-2599.	3.4	31
27	An ensemble approach to multi-view multi-instance learning. Knowledge-Based Systems, 2017, 136, 46-57.	4.0	28
28	Multi-Label Punitive kNN with Self-Adjusting Memory for Drifting Data Streams. ACM Transactions on Knowledge Discovery From Data, 2019, 13, 1-31.	2.5	27
29	A Data-Driven Approach for Twitter Hashtag Recommendation. IEEE Access, 2020, 8, 79182-79191.	2.6	26
30	MIRSVM: Multi-instance support vector machine with bag representatives. Pattern Recognition, 2018, 79, 228-241.	5.1	24
31	Parallel multi-objective Ant Programming for classification using GPUs. Journal of Parallel and Distributed Computing, 2013, 73, 713-728.	2.7	22
32	Extremely high-dimensional optimization with MapReduce: Scaling functions and algorithm. Information Sciences, 2017, 415-416, 110-127.	4.0	21
33	Adaptive ensemble of self-adjusting nearest neighbor subspaces for multi-label drifting data streams. Neurocomputing, 2022, 481, 228-248.	3.5	21
34	Speeding up multiple instance learning classification rules on GPUs. Knowledge and Information Systems, 2015, 44, 127-145.	2.1	20
35	Hybrid Group Anomaly Detection for Sequence Data: Application to Trajectory Data Analytics. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9346-9357.	4.7	20
36	Sentiment Classification from Multi-class Imbalanced Twitter Data Using Binarization. Lecture Notes in Computer Science, 2017, , 26-37.	1.0	19

#	Article	IF	Citations
37	OLLAWV: OnLine Learning Algorithm using Worst-Violators. Applied Soft Computing Journal, 2018, 66, 384-393.	4.1	18
38	Self-adjusting k nearest neighbors for continual learning from multi-label drifting data streams. Neurocomputing, 2021, 442, 10-25.	3.5	18
39	Parallel evaluation of Pittsburgh rule-based classifiers on GPUs. Neurocomputing, 2014, 126, 45-57.	3.5	17
40	Active Learning with Abstaining Classifiers for Imbalanced Drifting Data Streams. , 2019, , .		17
41	Genetic Programming for Mining Association Rules in Relational Database Environments. , 2015, , 431-450.		16
42	Distributed Selection of Continuous Features in Multilabel Classification Using Mutual Information. IEEE Transactions on Neural Networks and Learning Systems, 2019, 31, 1-14.	7.2	15
43	A general-purpose distributed pattern mining system. Applied Intelligence, 2020, 50, 2647-2662.	3.3	15
44	Adaptive Ensemble Active Learning for Drifting Data Stream Mining. , 2019, , .		14
45	A locally weighted learning method based on a data gravitation model for multi-target regression. International Journal of Computational Intelligence Systems, 2018, 11, 282.	1.6	14
46	Discovering useful patterns from multiple instance data. Information Sciences, 2016, 357, 23-38.	4.0	13
47	Blocking Self-Avoiding Walks Stops Cyber-Epidemics: A Scalable GPU-Based Approach. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1263-1275.	4.0	13
48	GPU-parallel subtree interpreter for genetic programming. , 2014, , .		12
49	A Data Structure to Speed-Up Machine Learning Algorithms on Massive Datasets. Lecture Notes in Computer Science, 2016, , 365-376.	1.0	10
50	Solving Classification Problems Using Genetic Programming Algorithms on GPUs. Lecture Notes in Computer Science, 2010, , 17-26.	1.0	9
51	Time Series Segmentation Based on Stationarity Analysis to Improve New Samples Prediction. Sensors, 2021, 21, 7333.	2.1	9
52	Scalable CAIM discretization on multiple GPUs using concurrent kernels. Journal of Supercomputing, 2014, 69, 273-292.	2.4	8
53	100 Million dimensions large-scale global optimization using distributed GPU computing. , 2016, , .		8
54	An EP algorithm for learning highly interpretable classifiers. , 2011, , .		7

#	Article	IF	Citations
55	A hybrid dynamic programming for solving a mixed-model sequencing problem with production mix restriction and free interruptions. Progress in Artificial Intelligence, 2017, 6, 27-39.	1.5	7
56	PSIONplusm Server for Accurate Multi-Label Prediction of Ion Channels and Their Types. Biomolecules, 2020, 10, 876.	1.8	7
57	Large-Scale Multi-label Ensemble Learning on Spark. , 2017, , .		6
58	An ontology matching approach for semantic modeling: A case study in smart cities. Computational Intelligence, 0, , .	2.1	6
59	A Parallel Genetic Programming Algorithm for Classification. Lecture Notes in Computer Science, 2011, , 172-181.	1.0	6
60	Parallelization strategies for markerless human motion capture. Journal of Real-Time Image Processing, 2018, 14, 453-467.	2.2	4
61	Classification Rule Mining with Iterated Greedy. Lecture Notes in Computer Science, 2014, , 585-596.	1.0	4
62	Speeding Up Classifier Chains in Multi-label Classification. , 2019, , .		4
63	Selecting local ensembles for multi-class imbalanced data classification. , 2018, , .		3
64	Learning Classification Rules with Differential Evolution for High-Speed Data Stream Mining on GPU s. , 2018, , .		3
65	A Grammar-Guided Genetic Programming Algorithm for Multi-Label Classification. Lecture Notes in Computer Science, 2013, , 217-228.	1.0	3
66	Analysis and forecasting of rivers pH level using deep learning. Progress in Artificial Intelligence, 2022, 11, 181-191.	1.5	3
67	Binary and multiclass imbalanced classification using multi-objective ant programming. , 2012, , .		2
68	When the Decomposition Meets the Constraint Satisfaction Problem. IEEE Access, 2020, 8, 207034-207043.	2.6	1
69	Synthesis of In-Place Iterative Sorting Algorithms Using GP: A Comparison Between STGP, SFGP, G3P and GE. Lecture Notes in Computer Science, 2015, , 305-310.	1.0	1
70	ARFF Data Source Library for Distributed Single/Multiple Instance, Single/Multiple Output Learning on Apache Spark. Lecture Notes in Computer Science, 2019, , 173-179.	1.0	0
71	Locally Linear Support Vector Machines for Imbalanced Data Classification. Lecture Notes in Computer Science, 2021, , 616-628.	1.0	0
72	Introductory Chapter: Data Streams and Online Learning in Social Media. , 0, , .		0