Zahid Islam

List of Publications by Year
in descending order

47 papers	1,229 citations	516561 16 h-index	434063 31 g-index
49 all docs	49 docs citations	49 times ranked	1080 citing authors

#	Article	IF	Citations
1	A hybrid clustering technique combining a novel genetic algorithm with K-Means. Knowledge-Based Systems, 2014, 71, 345-365.	4.0	152
2	Software defect prediction using a cost sensitive decision forest and voting, and a potential solution to the class imbalance problem. Information Systems, 2015, 51, 62-71.	2.4	123
3	Missing value imputation using decision trees and decision forests by splitting and merging records: Two novel techniques. Knowledge-Based Systems, 2013, 53, 51-65.	4.0	106
4	Forest PA : Constructing a decision forest by penalizing attributes used in previous trees. Expert Systems With Applications, 2017, 89, 389-403.	4.4	84
5	Privacy preserving data mining: A noise addition framework using a novel clustering technique. Knowledge-Based Systems, 2011, 24, 1214-1223.	4.0	77
6	Missing value imputation using a fuzzy clustering-based EM approach. Knowledge and Information Systems, 2016, 46, 389-422.	2.1	63
7	Combining K-Means and a genetic algorithm through a novel arrangement of genetic operators for high quality clustering. Expert Systems With Applications, 2018, 91, 402-417.	4.4	61
8	Optimizing the number of trees in a decision forest to discover a subforest with high ensemble accuracy using a genetic algorithm. Knowledge-Based Systems, 2016, 110, 86-97.	4.0	60
9	FIMUS: A framework for imputing missing values using co-appearance, correlation and similarity analysis. Knowledge-Based Systems, 2014, 56, 311-327.	4.0	48
10	Differentially private random decision forests using smooth sensitivity. Expert Systems With Applications, 2017, 78, 16-31.	4.4	48
11	Comparing sets of patterns with the Jaccard index. Australasian Journal of Information Systems, 0, 22, .	0.3	42
12	Discretization of continuous attributes through low frequency numerical values and attribute interdependency. Expert Systems With Applications, 2016, 45, 410-423.	4.4	33
13	A novel quick seizure detection and localization through brain data mining on ECoG dataset. Neural Computing and Applications, 2019, 31, 5595-5608.	3.2	33
14	Data Mining and Privacy of Social Network Sitesâ€™ Users: Implications of the Data Mining Problem. Science and Engineering Ethics, 2015, 21, 941-966.	1.7	28
15	Advantages and limitations of genetic algorithms for clustering records. , 2016, , .		28
16	Novel algorithms for cost-sensitive classification and knowledge discovery in class imbalanced datasets with an application to NASA software defects. Information Sciences, 2018, 459, 53-70.	4.0	27
17	Application of a density based clustering technique on biomedical datasets. Applied Soft Computing Journal, 2018, 73, 623-634.	4.1	19
18	Forest CERN: A New Decision Forest Building Technique. Lecture Notes in Computer Science, 2016, , 304-315.	1.0	17

#	Article	IF	Citations
19	CAIRAD: A co-appearance based analysis for Incorrect Records and Attribute-values Detection. , 2012, , .		13
20	ForEx++: A New Framework for Knowledge Discovery from Decision Forests. Australasian Journal of Information Systems, 0, 21, .	0.3	13
21	Genetic algorithm with healthy population and multiple streams sharing information for clustering. Knowledge-Based Systems, 2016, 114, 61-78.	4.0	12
22	Analyzing Performance of Classification Techniques in Detecting Epileptic Seizure. Lecture Notes in Computer Science, 2017, , 386-398.	1.0	11
23	Novel crossover and mutation operation in genetic algorithm for clustering. , 2016, , .		9
24	A Differentially Private Random Decision Forest Using Reliable Signal-to-Noise Ratios. Lecture Notes in Computer Science, 2015, , 192-203.	1.0	9
25	DETECTIVE: a decision tree based categorical value clustering and perturbation technique for preserving privacy in data mining. , 0, , .		8
26	iDMI: A novel technique for missing value imputation using a decision tree and expectation-maximization algorithm. , 2014, , .		8
27	Clustering by genetic algorithm- high quality chromosome selection for initial population. , 2015, , .		8
28	ModEx and Seed-Detective: Two novel techniques for high quality clustering by using good initial seeds in K-Means. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 113-128.	2.7	8
29	The Impact of a Participatory Care Model on Work Satisfaction of Care Workers and the Functionality, Connectedness, and Mental Health of Community-Dwelling Older People. Issues in Mental Health Nursing, 2016, 37, 429-435.	0.6	8
30	Communal Reputation and Individual Trust (CRIT) in Wireless Sensor Networks. , 2010, , .		7
31	Empowering users of social networks to assess their privacy risks. , 2014, , .		7
32	A comprehensive method for attribute space extension for Random Forest. , 2014, , .		7
33	DenClust: A Density Based Seed Selection Approach for K-Means. Lecture Notes in Computer Science, 2014, , 784-795.	1.0	7
34	3LP: Three Layers of Protection for Individual Privacy in Facebook. IFIP Advances in Information and Communication Technology, 2017, , 108-123.	0.5	5
35	Effects of Dynamic Subspacing in Random Forest. Lecture Notes in Computer Science, 2017, , 303-312.	1.0	5
36	Quality Evaluation of an Anonymized Dataset. , 2014, , .		4

#	Article	IF	Citations
37	An anonymization technique using intersected decision trees. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 297-304.	2.7	4
38	Data mining approach in seizure detection. , 2016, , .		4
39	Social media users' privacy against malicious data miners. , 2017, , .		4
40	Addressing Class Imbalance and Cost Sensitivity in Software Defect Prediction by Combining Domain Costs and Balancing Costs. Lecture Notes in Computer Science, 2016, , 156-171.	1.0	4
41	A novel genetic algorithm-based clustering technique and its suitability for knowledge discovery from a brain data set. , 2016, , .		3
42	Standoff-Balancing: A Novel Class Imbalance Treatment Method Inspired by Military Strategy. Lecture Notes in Computer Science, 2015, , 517-525.	1.0	2
43	Implementation and Performance Analysis of Data-Mining Classification Algorithms on Smartphones. Communications in Computer and Information Science, 2019, , 331-343.	0.4	2
44	On Improving Random Forest for Hard-to-Classify Records. Lecture Notes in Computer Science, 2016, , 558-566.	1.0	1
45	On Improving the Prediction Accuracy of a Decision Tree Using Genetic Algorithm. Lecture Notes in Computer Science, 2018, , 80-94.	1.0	1
46	Branches of evolutionary algorithms and their effectiveness for clustering records. , 2016, , .		0
47	Preface to the Special Section of Selected Papers from the Australasian Conference on Data Mining (AusDM) 2016. Australasian Journal of Information Systems, 0, 21, .	0.3	0