

S Appavu Alias Balamurugan

List of Publications by Year in descending order

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79
papers

1,858
citations

840585

11
h-index

839398

18
g-index

86
all docs

86
docs citations

86
times ranked

1544
citing authors

#	ARTICLE	IF	CITATIONS
1	Feature Selection for Knowledge Discovery and Data Mining. , 1998, , .		1,034
2	Feature selection algorithms: a survey and experimental evaluation. , 0, , .		302
3	Literature Review on Feature Selection Methods for High-Dimensional Data. International Journal of Computer Applications, 2016, 136, 9-17.	0.2	51
4	An amalgam KNN to predict diabetes mellitus. , 2013, , .		50
5	Multi Filtration Feature Selection (MFFS) to improve discriminatory ability in clinical data set. Applied Computing and Informatics, 2016, 12, 117-127.	3.7	31
6	A Novel Feature Selection Technique for Improved Survivability Diagnosis of Breast Cancer. Procedia Computer Science, 2015, 50, 16-23.	1.2	24
7	Data mining based intelligent analysis of threatening e-mail. Knowledge-Based Systems, 2009, 22, 392-393.	4.0	23
8	A novel feature selection framework for automatic web page classification. International Journal of Automation and Computing, 2012, 9, 442-448.	4.5	21
9	Effective and efficient feature selection for large-scale data using Bayesâ€™ theorem. International Journal of Automation and Computing, 2009, 6, 62-71.	4.5	18
10	NB+: An improved Naïve Bayesian algorithm. Knowledge-Based Systems, 2011, 24, 563-569.	4.0	18
11	A novel adaptive feature selector for supervised classification. Information Processing Letters, 2017, 117, 25-34.	0.4	18
12	Effective solution for unhandled exception in decision tree induction algorithms. Expert Systems With Applications, 2009, 36, 12113-12119.	4.4	13
13	An unsupervised feature selection algorithm with feature ranking for maximizing performance of the classifiers. International Journal of Automation and Computing, 2015, 12, 511-517.	4.5	13
14	A Novel Software Package Selection Method Using Teachingâ€™ Learning Based Optimization and Multiple Criteria Decision Making. IEEE Transactions on Engineering Management, 2021, 68, 941-954.	2.4	12
15	Association Rule Mining for Suspicious Email Detection: A Data Mining Approach. , 2007, , .		11
16	Prediction of warning level in aircraft accidents using data mining techniques. Aeronautical Journal, 2014, 118, 935-952.	1.1	11
17	Identifying redundant features using unsupervised learning for high-dimensional data. SN Applied Sciences, 2020, 2, 1.	1.5	11
18	Knowledge-based system for text classification using ID6NB algorithm. Knowledge-Based Systems, 2009, 22, 1-7.	4.0	10

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19	Enhanced petri nets for traceability of food management using internet of things. Peer-to-Peer Networking and Applications, 2021, 14, 30-43.	2.6	10
20	A novel memetic algorithm for discovering knowledge in binary and multi class predictions based on support vector machine. Applied Soft Computing Journal, 2016, 49, 407-422.	4.1	9
21	Deep learning based fusion model for COVID-19 diagnosis and classification using computed tomography images. Concurrent Engineering Research and Applications, 2022, 30, 116-127.	2.0	9
22	Improving decision tree performance by exception handling. International Journal of Automation and Computing, 2010, 7, 372-380.	4.5	8
23	Developing a Modified Logistic Regression Model for Diabetes Mellitus and Identifying the Important Factors of Type II Dm. Indian Journal of Science and Technology, 2016, 9, .	0.5	8
24	Computational Study of Geometric Parameter Influence on Aggressive Inter-Turbine Duct Performance. , 2010, , .		7
25	Data mining approaches for aircraft accidents prediction: An empirical study on Turkey airline. , 2013, , .		7
26	Tracked Vehicle Performance Evaluation using Multi Body Dynamics. Defence Science Journal, 2017, 67, 476.	0.5	7
27	IDsMA: An integrated digital signature and mutual authentication mechanism for securing the cognitive radio networks. International Journal of Communication Systems, 2020, 33, e4289.	1.6	6
28	Towards higher accuracy in supervised learning and dimensionality reduction by attribute subset selection - A pragmatic analysis. , 2012, , .		5
29	A Customized Metaheuristic Approaches for Improving Supplier Selection in Intelligent Decision Making. IEEE Access, 2021, 9, 56228-56239.	2.6	5
30	Need, Application and Characteristics of Big Data Analytics in Healthcare-A Survey. Indian Journal of Science and Technology, 2016, 9, .	0.5	5
31	An Implementation of Efficient Datamining Classification Algorithm using Nbtrees. International Journal of Computer Applications, 2013, 67, 26-29.	0.2	5
32	Knowledging on Tamil Nadu electricity board (TNEB) and electricity load demand forecasting by Gaussian processes using real time data. , 2013, , .		4
33	An Efficient Feature Selection and Classification Using Optimal Radial Basis Function Neural Network. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2018, 26, 695-715.	0.9	4
34	Evaluation of Feature Selection Method for Classification of Data Using Support Vector Machine Algorithm. Advances in Intelligent Systems and Computing, 2014, , 179-186.	0.5	4
35	RF-SEA-Based Feature Selection for Data Classification in Medical Domain. Advances in Intelligent Systems and Computing, 2014, , 599-608.	0.5	4
36	An Empirical Study on Different Ranking Methods for Effective Data Classification. Journal of Modern Applied Statistical Methods, 2015, 14, 35-52.	0.2	4

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37	Structural and computational studies of 2,5-diaryl-penta-2,4-dienitriles. Journal of Molecular Structure, 2011, 995, 78-90.	1.8	3
38	Performance of different clustering methods and classification algorithms for prediction of warning level in aircraft accidents: An empirical study. , 2013, , .		3
39	An efficient feature selection paradigm using PCA-CFS-Shapley values ensemble applied to small medical data sets. , 2013, , .		3
40	Detection of dechallenge in spontaneous reporting systems: A comparison of Bayes methods. Indian Journal of Pharmacology, 2014, 46, 277.	0.4	3
41	Performance Analysis of AD-HOC on-Demand Distance Vector Routing Protocol. Indian Journal of Science and Technology, 2016, 9, .	0.5	3
42	Patient Health Description using NFC-Tag-M-Health. , 2019, , .		3
43	A predictive risk level classification of diabetic patients using deep learning modified neural network. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 7703-7713.	3.3	3
44	Analysis of Deep Learning Techniques for Tuberculosis Disease. SN Computer Science, 2021, 2, 1.	2.3	3
45	C5.0 Decision Tree Model using Tsallis Entropy and Association Function for General and Medical Dataset. Intelligent Automation and Soft Computing, 0, , -1-1.	1.6	3
46	An Intelligent Video Surveillance Framework with Big Data Management for Indian Road Traffic System. International Journal of Computer Applications, 2015, 123, 12-19.	0.2	3
47	STUDY OF PREVALENCE AND PATTERN OF ANAEMIA IN HYPOTHYROIDISM. Journal of Evolution of Medical and Dental Sciences, 2016, 5, 5654-5656.	0.1	3
48	Classification Methods in the Detection of New Suspicious Emails. Journal of Information and Knowledge Management, 2008, 07, 209-217.	0.8	2
49	Data classification using PCA based on Effective Variance Coverage (EVC). , 2013, , .		2
50	Benchmark evaluation of classification methods for single label learning with R. , 2013, , .		2
51	The Future of India Creeping up in Building a Smart City: Intelligent Traffic Analysis Platform. , 2018, , .		2
52	Multi label learning approaches for multi species avifaunal occurrence modelling: a case study of south eastern Tamil Nadu. International Journal of Business Intelligence and Data Mining, 2019, 15, 449.	0.2	2
53	2,5-Diphenylpenta-2,4-dienitrile. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2953-o2953.	0.2	2
54	Stability of Cerium Zirconium Mixed Oxide Catalytic Nanoparticle in Dieselâ€”An Experimental Investigation. Journal of Nanofluids, 2016, 5, 209-215.	1.4	2

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55	Optimal feature selection for classification using rough set-based CGA-NN classifier. International Journal of Business Intelligence and Data Mining, 2016, 11, 357.	0.2	2
56	Detection of e-mail concerning criminal activities using association rule-based decision tree. International Journal of Electronic Security and Digital Forensics, 2007, 1, 131.	0.1	1
57	Learning to Classify Threaten E-mail. , 2008, , .		1
58	Feature selection techniques for prediction of warning level in aircraft accidents. , 2013, , .		1
59	A novel approach for effective web page classification. International Journal of Data Mining, Modelling and Management, 2013, 5, 233.	0.1	1
60	Multiple human tracking using 3D ellipsoidal model and SIR-Particle Filter technique. , 2014, , .		1
61	Measurement of Open Flame Temperature of Nano Particle Additive Dispersed Diesel Using Digital Interferometry. Combustion Science and Technology, 2017, 189, 1813-1831.	1.2	1
62	Statistical and Machine Learning Approaches for Clinical Decision on Drug Usage in Diabetes with Reference to Competence and Safeness. International Journal of Computational Intelligence Systems, 2021, 14, 859.	1.6	1
63	Hybridized Model with Activity Load Adjusting and QOS for Wi-Fi Network System. Intelligent Automation and Soft Computing, 2021, 27, 333-346.	1.6	1
64	Feature Selection for Supervised Learning via Dependency Analysis. Journal of Computational and Theoretical Nanoscience, 2016, 13, 6885-6891.	0.4	1
65	<i>In Vitro</i> Antibacterial Activity of <i>Eclipta alba</i> (L.) Hassk. International Letters of Natural Sciences, 0, 21, 28-34.	1.0	1
66	COMPUTATIONAL MODELING OF ELECTRICITY CONSUMPTION USING ECONOMETRIC VARIABLES BASED ON NEURAL NETWORK TRAINING ALGORITHMS. Neural Network World, 2017, 27, 139-178.	0.5	1
67	A predictive model using improved Normalized Point Wise Mutual Information (INPMI). , 2013, , .		0
68	FIRA: focused information retrieval algorithm. International Journal of Business Intelligence and Data Mining, 2018, 13, 75.	0.2	0
69	AVD " A New Classification Algorithm. , 2011, , 425-432.		0
70	Ranking Drugs in Spontaneous Reporting System by Naive Bayes. Journal of Biological Sciences, 2013, 13, 293-297.	0.1	0
71	Predictive Data Mining Techniques for Forecasting Tamil Nadu Electricity Board (TNEB) Load Demand: An Empirical Study. Advances in Intelligent Systems and Computing, 2014, , 1241-1247.	0.5	0
72	IBRNN-EDFM: An Improved Bayesian Regularized Neural Network based Electricity Demand Forecasting Model. Asian Journal of Research in Social Sciences and Humanities, 2016, 6, 458.	0.0	0

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73	Enhancing Classifiers Performance using Data Quality Checking. Asian Journal of Research in Social Sciences and Humanities, 2016, 6, 845.	0.0	0
74	Improving Classification Performance with PCA-CFS and PCA-SA Feature Selector. Asian Journal of Research in Social Sciences and Humanities, 2016, 6, 836.	0.0	0
75	Ensemble Feature Selector for Aviation Accident Analysis and Prevention. Asian Journal of Research in Social Sciences and Humanities, 2016, 6, 81.	0.0	0
76	IMPROVING DETECTION PERFORMANCE OF ARTIFICIAL NEURAL NETWORK BY SHAPLEY VALUE EMBEDDED GENETIC FEATURE SELECTOR. Neural Network World, 2016, 26, 175-201.	0.5	0
77	Effective Feature Reduction for Health Care Data Set using Hybridized Feature Selector. Asian Journal of Research in Social Sciences and Humanities, 2016, 6, 443.	0.0	0
78	Performance Metrics for Feature Selection, Clustering and Classification Algorithms. Asian Journal of Research in Social Sciences and Humanities, 2016, 6, 107.	0.0	0
79	Big Data Based Diabetes and Heart Disease Prediction System by Employing Supervised Learning Algorithm. International Journal of Innovative Technology and Exploring Engineering, 2019, 9, 3398-3405.	0.2	0