

# S Appavu Alias Balamurugan

## 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.

63

papers

1,177

citations

10

h-index

34

g-index

86

ext. papers

1,417

ext. citations

1.6

avg, IF

4.47

L-index

#	Paper	IF	Citations
63	Feature Selection for Knowledge Discovery and Data Mining <b>1998</b> ,		686
62	Feature selection algorithms: a survey and experimental evaluation		178
61	Literature Review on Feature Selection Methods for High-Dimensional Data. <i>International Journal of Computer Applications</i> , <b>2016</b> , 136, 9-17	1.1	28
60	An amalgam KNN to predict diabetes mellitus <b>2013</b> ,		24
59	Multi Filtration Feature Selection (MFFS) to improve discriminatory ability in clinical data set. <i>Applied Computing and Informatics</i> , <b>2016</b> , 12, 117-127	4.2	21
58	A novel feature selection framework for automatic web page classification. <i>International Journal of Automation and Computing</i> , <b>2012</b> , 9, 442-448	3.5	19
57	A Novel Feature Selection Technique for Improved Survivability Diagnosis of Breast Cancer. <i>Procedia Computer Science</i> , <b>2015</b> , 50, 16-23	1.6	18
56	Data mining based intelligent analysis of threatening e-mail. <i>Knowledge-Based Systems</i> , <b>2009</b> , 22, 392-393	3.3	18
55	NB+: An improved Naïve Bayesian algorithm. <i>Knowledge-Based Systems</i> , <b>2011</b> , 24, 563-569	7.3	15
54	Effective and efficient feature selection for large-scale data using Bayes's theorem. <i>International Journal of Automation and Computing</i> , <b>2009</b> , 6, 62-71	3.5	14
53	An unsupervised feature selection algorithm with feature ranking for maximizing performance of the classifiers. <i>International Journal of Automation and Computing</i> , <b>2015</b> , 12, 511-517	3.5	10
52	A novel adaptive feature selector for supervised classification. <i>Information Processing Letters</i> , <b>2017</b> , 117, 25-34	0.8	9
51	A novel memetic algorithm for discovering knowledge in binary and multi class predictions based on support vector machine. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 49, 407-422	7.5	8
50	Prediction of warning level in aircraft accidents using data mining techniques. <i>Aeronautical Journal</i> , <b>2014</b> , 118, 935-952	0.9	8
49	Improving decision tree performance by exception handling. <i>International Journal of Automation and Computing</i> , <b>2010</b> , 7, 372-380	3.5	8
48	Knowledge-based system for text classification using ID6NB algorithm. <i>Knowledge-Based Systems</i> , <b>2009</b> , 22, 1-7	7.3	7
47	Effective solution for unhandled exception in decision tree induction algorithms. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 12113-12119	7.8	7

46	Developing a Modified Logistic Regression Model for Diabetes Mellitus and Identifying the Important Factors of Type II Dm. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	7
45	Enhanced petri nets for traceability of food management using internet of things. <i>Peer-to-Peer Networking and Applications</i> , <b>2021</b> , 14, 30-43	3.1	7
44	Association Rule Mining for Suspicious Email Detection: A Data Mining Approach <b>2007</b> ,		6
43	Bayes Theorem and Information Gain Based Feature Selection for Maximizing the Performance of Classifiers. <i>Communications in Computer and Information Science</i> , <b>2011</b> , 501-511	0.3	6
42	A Novel Software Package Selection Method Using Teaching-Learning Based Optimization and Multiple Criteria Decision Making. <i>IEEE Transactions on Engineering Management</i> , <b>2021</b> , 68, 941-954	2.6	6
41	Computational Study of Geometric Parameter Influence on Aggressive Inter-Turbine Duct Performance <b>2010</b> ,		4
40	An Efficient Feature Selection and Classification Using Optimal Radial Basis Function Neural Network. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , <b>2018</b> , 26, 695-715	0.8	4
39	Towards higher accuracy in supervised learning and dimensionality reduction by attribute subset selection - A pragmatic analysis <b>2012</b> ,		3
38	Data mining approaches for aircraft accidents prediction: An empirical study on Turkey airline <b>2013</b> ,		3
37	Tracked Vehicle Performance Evaluation using Multi Body Dynamics. <i>Defence Science Journal</i> , <b>2017</b> , 67, 476	1.4	3
36	An Intelligent Video Surveillance Framework with Big Data Management for Indian Road Traffic System. <i>International Journal of Computer Applications</i> , <b>2015</b> , 123, 12-19	1.1	3
35	RF-SEA-Based Feature Selection for Data Classification in Medical Domain. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 599-608	0.4	3
34	IDsMA: An integrated digital signature and mutual authentication mechanism for securing the cognitive radio networks. <i>International Journal of Communication Systems</i> , <b>2020</b> , 33, e4289	1.7	2
33	Detection of dechallenge in spontaneous reporting systems: a comparison of Bayes methods. <i>Indian Journal of Pharmacology</i> , <b>2014</b> , 46, 277-80	2.5	2
32	An efficient feature selection paradigm using PCA-CFS-Shapley values ensemble applied to small medical data sets <b>2013</b> ,		2
31	Structural and computational studies of 2,5-diarylpenta-2,4-dienenitriles. <i>Journal of Molecular Structure</i> , <b>2011</b> , 995, 78-90	3.4	2
30	Classification Methods in the Detection of New Suspicious Emails. <i>Journal of Information and Knowledge Management</i> , <b>2008</b> , 07, 209-217	0.9	2
29	Stability of Cerium Zirconium Mixed Oxide Catalytic Nanoparticle in Diesel-An Experimental Investigation. <i>Journal of Nanofluids</i> , <b>2016</b> , 5, 209-215	2.2	2

28	Optimal feature selection for classification using rough set-based CGA-NN classifier. <i>International Journal of Business Intelligence and Data Mining</i> , <b>2016</b> , 11, 357	0.3	2
27	Need, Application and Characteristics of Big Data Analytics in Healthcare-A Survey. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	2
26	C5.0 Decision Tree Model using Tsallis Entropy and Association Function for General and Medical Dataset. <i>Intelligent Automation and Soft Computing</i> ,-1--1	2.6	2
25	Evaluation of Feature Selection Method for Classification of Data Using Support Vector Machine Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 179-186	0.4	2
24	Deep learning based fusion model for COVID-19 diagnosis and classification using computed tomography images.. <i>Concurrent Engineering Research and Applications</i> , <b>2022</b> , 30, 116-127	1.7	2
23	A predictive risk level classification of diabetic patients using deep learning modified neural network. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2021</b> , 12, 7703-7713	3.7	2
22	Multiple human tracking using 3D ellipsoidal model and SIR-Particle Filter technique <b>2014</b> ,		1
21	Knowledging on Tamil Nadu electricity board (TNEB) and electricity load demand forecasting by Gaussian processes using real time data <b>2013</b> ,		1
20	Performance of different clustering methods and classification algorithms for prediction of warning level in aircraft accidents: An empirical study <b>2013</b> ,		1
19	Benchmark evaluation of classification methods for single label learning with R <b>2013</b> ,		1
18	A novel approach for effective web page classification. <i>International Journal of Data Mining, Modelling and Management</i> , <b>2013</b> , 5, 233	0.2	1
17	Learning to Classify Threaten E-mail <b>2008</b> ,		1
16	2,5-Diphenyl-penta-2,4-dienenitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o2953		1
15	Feature Selection for Supervised Learning via Dependency Analysis. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2016</b> , 13, 6885-6891	0.3	1
14	An Empirical Study on Different Ranking Methods for Effective Data Classification. <i>Journal of Modern Applied Statistical Methods</i> , <b>2015</b> , 14, 35-52	0.3	1
13	In Vitro Antibacterial Activity of Eclipta alba (L.) Hassk. <i>International Letters of Natural Sciences</i> , <b>21</b> , 28-34		1
12	STUDY OF PREVALENCE AND PATTERN OF ANAEMIA IN HYPOTHYROIDISM. <i>Journal of Evolution of Medical and Dental Sciences</i> , <b>2016</b> , 5, 5654-5656	0.1	1
11	Performance Tuning of PCA by CFS-Shapley Ensemble and Its Application to Medical Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 53-59	0.9	1

10	Analysis of Deep Learning Techniques for Tuberculosis Disease. <i>SN Computer Science</i> , <b>2021</b> , 2, 1	2	1
9	Multi label learning approaches for multi species avifaunal occurrence modelling: a case study of south eastern Tamil Nadu. <i>International Journal of Business Intelligence and Data Mining</i> , <b>2019</b> , 15, 449	0.3	1
8	A Customized Metaheuristic Approaches for Improving Supplier Selection in Intelligent Decision Making. <i>IEEE Access</i> , <b>2021</b> , 9, 56228-56239	3.5	1
7	The Future of India Creeping up in Building a Smart City: Intelligent Traffic Analysis Platform <b>2018</b> ,		1
6	Measurement of Open Flame Temperature of Nano Particle Additive Dispersed Diesel Using Digital Interferometry. <i>Combustion Science and Technology</i> , <b>2017</b> , 189, 1813-1831	1.5	0
5	Identifying redundant features using unsupervised learning for high-dimensional data. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	0
4	Detection of e-mail concerning criminal activities using association rule-based decision tree. <i>International Journal of Electronic Security and Digital Forensics</i> , <b>2007</b> , 1, 131	1	0
3	AVD DA New Classification Algorithm <b>2011</b> , 425-432		
2	Ranking Drugs in Spontaneous Reporting System by Naive Bayes. <i>Journal of Biological Sciences</i> , <b>2013</b> , 13, 293-297	0.4	
1	Predictive Data Mining Techniques for Forecasting Tamil Nadu Electricity Board (TNEB) Load Demand: An Empirical Study. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 1241-1247	0.4	