Binoy B Nair

List of Publications by Year
in descending order

49	794	623734	580821
papers	citations	14	25
		h-index	g-index

51	51	51	580
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of decision tree-fuzzy and rough set-fuzzy methods for fault categorization of mono-block centrifugal pump. Mechanical Systems and Signal Processing, 2010, 24, 1887-1906.	8.0	72
2	Comparison of dimensionality reduction techniques for the fault diagnosis of mono block centrifugal pump using vibration signals. Engineering Science and Technology, an International Journal, 2014, 17, 30-38.	3.2	51
3	Applicability of Deep Learning Models for Stock Price Forecasting An Empirical Study on BANKEX Data. Procedia Computer Science, 2018, 143, 947-953.	2.0	51
4	Clustering stock price time series data to generate stock trading recommendations: An empirical study. Expert Systems With Applications, 2017, 70, 20-36.	7.6	48
5	Machine Learning Approach to the Prediction of Surface Roughness Using Statistical Features of Vibration Signal Acquired in Turning. Procedia Computer Science, 2015, 50, 282-288.	2.0	44
6	Application of Support Vector Machine (SVM) and Proximal Support Vector Machine (PSVM) for fault classification of monoblock centrifugal pump. International Journal of Data Analysis Techniques and Strategies, 2010, 2, 38.	0.2	42
7	Soft computing approach to fault diagnosis of centrifugal pump. Applied Soft Computing Journal, 2012, 12, 1574-1581.	7.2	42
8	Real Time Detection of Speed Hump/Bump and Distance Estimation with Deep Learning using GPU and ZED Stereo Camera. Procedia Computer Science, 2018, 143, 988-997.	2.0	42
9	Automatic rule learning using roughset for fuzzy classifier in fault categorization of mono-block centrifugal pump. Applied Soft Computing Journal, 2012, 12, 196-203.	7.2	33
10	Decision tree based weld defect classification using current and voltage signatures in GMAW process. Materials Today: Proceedings, 2018, 5, 8354-8363.	1.8	24
11	A Stock Market Trend Prediction System Using a Hybrid Decision Tree-Neuro-Fuzzy System. , 2010, , .		22
12	Use of histogram features for decision tree-based fault diagnosis of monoblock centrifugal pump. International Journal of Granular Computing, Rough Sets and Intelligent Systems, 2011, 2, 23.	0.3	19
13	Artificial intelligence applications in financial forecasting â€“ a survey and some empirical results. Intelligent Decision Technologies, 2014, 9, 99-140.	0.9	19
14	Chatter prediction in boring process using machine learning technique. International Journal of Manufacturing Research, 2017, 12, 405.	0.2	19
15	An intelligent recommender system for stock trading. Intelligent Decision Technologies, 2015, 9, 243-269.	0.9	18
16	Stock Market Prediction Using a Hybrid Neuro-fuzzy System. , 2010, , .		16
17	Camera-Based Object Detection, Identification and Distance Estimation. , 2018, , .		16
18	A Novel Traffic Sign Recognition System Combining Violaâ€“Jones Framework and Deep Learning. Advances in Intelligent Systems and Computing, 2019, , 507-517.	0.6	16

#	Article	IF	Citations
19	Acoustic Signature Based Weld Quality Monitoring for SMAW Process Using Data Mining Algorithms. Applied Mechanics and Materials, 0, 813-814, 1104-1113.	0.2	15
20	Decision support system using artificial immune recognition system for fault classification of centrifugal pump. International Journal of Data Analysis Techniques and Strategies, 2011, 3, 66.	0.2	12
21	A Stock Trading Recommender System Based on Temporal Association Rule Mining. SAGE Open, 2015, 5, 215824401557994.	1.7	12
22	A deep learning approach to electric energy consumption modeling. Journal of Intelligent and Fuzzy Systems, 2019, 36, 4049-4055.	1.4	12
23	Predicting stock market trends using hybrid ant-colony-based data mining algorithms: an empirical validation on the Bombay Stock Exchange. International Journal of Business Intelligence and Data Mining, 2011, 6, 362.	0.2	11
24	A low-cost wearable Indian sign language interpretation system. , 2016, , .		11
25	Application of Clustering Techniques for Video Summarization – An Empirical Study. Advances in Intelligent Systems and Computing, 2017, , 494-506.	0.6	11
26	Autonomous arecanut tree climbing and pruning robot. , 2010, , .		9
27	Classifier Based Stock Trading Recommender Systems for Indian stocks: An Empirical Evaluation. Computational Economics, 2020, 55, 901-923.	2.6	7
28	IoT Based Real Time Vehicle Vital Parameter Monitoring and Analytics. Advances in Intelligent Systems and Computing, 2020, , 365-373.	0.6	7
29	A Deep Learning based system for fast detection of obstacles using rear-view camera under parking scenarios. , 2021, , .		7
30	A GSM-based versatile Unmanned Ground Vehicle. , 2010, , .		6
31	Predicting the BSE Sensex: Performance comparison of adaptive linear element, feed forward and time delay neural networks. , 2012, , .		6
32	Low cost solution for 3D mapping of environment using 1D LIDAR for autonomous navigation. IOP Conference Series: Materials Science and Engineering, 2019, 561, 012104.	0.6	6
33	Machine Learning Approaches to Electricity Consumption Forecasting in Automated Metering Infrastructure (AMI) Systems: An Empirical Study. Advances in Intelligent Systems and Computing, 2017, , 254-263.	0.6	6
34	Modeling of Consumption Data for Forecasting in Automated Metering Infrastructure (AMI) Systems. Advances in Intelligent Systems and Computing, 2016, , 165-173.	0.6	5
35	A Machine Learning Based Approach to Driver Drowsiness Detection. Communications in Computer and Information Science, 2019, , 150-159.	0.5	5
36	Driver's Face Detection in Poor Illumination for ADAS Applications. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
37	An Improved Driver Assistance System for Detection of Lane Departure Under Urban and Highway Driving Conditions. Communications in Computer and Information Science, 2019, , 31-43.	0.5	5
38	Deep Learning Based Approach to Generate Realistic Data for ADAS Applications. , 2021, , .		4
39	An Upper Limb Rehabilitation Exercise Status Identification System Based on Machine Learning and IoT. Arabian Journal for Science and Engineering, 2022, 47, 2095-2121.	3.0	4
40	A Deep Learning-Based Upper Limb Rehabilitation Exercise Status Identification System. Arabian Journal for Science and Engineering, 2023, 48, 1237-1271.	3.0	4
41	Improving GPS based distance measurement accuracy using Machine Learning: an empirical study. , 2019, , .		3
42	Vehicle Identification Using Automotive LIDAR VLP-16 and Deep Learning. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 779-792.	0.7	3
43	Stereo Vision-Based Path Planning System for an Autonomous Harvester. Advances in Intelligent Systems and Computing, 2020, , 499-510.	0.6	3
44	Future Engineering Curricula: Balancing Domain Competence with CPS Readiness. IEEE Design and Test, 2020, 37, 16-23.	1.2	2
45	Machine Learning Approach to Condition Monitoring of an Automotive Radiator Cooling Fan System. Lecture Notes in Electrical Engineering, 2020, , 1007-1020.	0.4	2
46	Application of standalone system and hybrid system for fault diagnosis of centrifugal pump using time domain signals and statistical features. International Journal of Data Mining, Modelling and Management, 2012, 4, 74.	0.1	1
47	A GPS-less Navigation System. , 2013, , .		1
48	An End to End Learning based Ego Vehicle Speed Estimation System. , 2021, , .		1
49	Forecasting rainfall using soft computing techniques â€" A case study using India rainfall data. IOP Conference Series: Materials Science and Engineering, 0, 561, 012119.	0.6	0