

Joshuva Arockia Dhanraj

List of Publications by Year in descending order

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68
papers

780
citations

623734

14
h-index

610901

24
g-index

77
all docs

77
docs citations

77
times ranked

320
citing authors

#	ARTICLE	IF	CITATIONS
1	A data driven approach for condition monitoring of wind turbine blade using vibration signals through best-first tree algorithm and functional trees algorithm: A comparative study. ISA Transactions, 2017, 67, 160-172.	5.7	76
2	FDI, Green Innovation and Environmental Quality Nexus: New Insights from BRICS Economies. Sustainability, 2022, 14, 2181.	3.2	76
3	Investigating the performance of Hadoop and Spark platforms on machine learning algorithms. Journal of Supercomputing, 2021, 77, 1273-1300.	3.6	50
4	A lazy learning approach for condition monitoring of wind turbine blade using vibration signals and histogram features. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107295.	5.0	45
5	An insight on VMD for diagnosing wind turbine blade faults using C4.5 as feature selection and discriminating through multilayer perceptron. AEJ - Alexandria Engineering Journal, 2020, 59, 3863-3879.	6.4	45
6	Blockchain Technology Application Challenges in Renewable Energy Supply Chain Management. Environmental Science and Pollution Research, 2023, 30, 72041-72058.	5.3	39
7	An Effective Evaluation on Fault Detection in Solar Panels. Energies, 2021, 14, 7770.	3.1	37
8	Experimental Investigation to Utilize Adsorption and Absorption Technique to Reduce CO ₂ Emissions in Diesel Engine Exhaust Using Amine Solutions. Adsorption Science and Technology, 2022, 2022, .	3.2	34
9	Performance optimization of a new flash-binary geothermal cycle for power/hydrogen production with zeotropic fluid. Journal of Thermal Analysis and Calorimetry, 2021, 145, 1633-1650.	3.6	27
10	Machine Learning for Prediction of Energy in Wheat Production. Agriculture (Switzerland), 2020, 10, 517.	3.1	22
11	Crack Detection and Localization on Wind Turbine Blade Using Machine Learning Algorithms: A Data Mining Approach. SDHM Structural Durability and Health Monitoring, 2019, 13, 181-203.	1.1	21
12	Experimental evaluation of hydrothermal performance of solar air heater with discrete roughened plate. Applied Thermal Engineering, 2022, 211, 118379.	6.0	20
13	Comparative Study on Tree Classifiers for Application to Condition Monitoring of Wind Turbine Blade through Histogram Features Using Vibration Signals: A Data-Mining Approach. SDHM Structural Durability and Health Monitoring, 2019, 13, 399-416.	1.1	18
14	Development of Active CO ₂ Emission Control for Diesel Engine Exhaust Using Amine-Based Adsorption and Absorption Technique. Adsorption Science and Technology, 2022, 2022, .	3.2	18
15	Enhanced optical, magnetic, and photocatalytic activity of Mg ²⁺ substituted NiFe ₂ O ₄ spinel nanoparticles. Journal of Molecular Structure, 2022, 1265, 133289.	3.6	18
16	A machine learning approach for condition monitoring of wind turbine blade using autoregressive moving average (ARMA) features through vibration signals: a comparative study. Progress in Industrial Ecology, 2018, 12, 14.	0.2	14
17	Bio-fuel production from Martynia annua L. seeds using slow pyrolysis reactor and its effects on diesel engine performance, combustion and emission characteristics. Energy, 2021, 217, 119327.	8.8	12
18	Experimental Investigation on Mechanical Properties and Vibration Damping Frequency Factor of Kenaf Fiber Reinforced Epoxy Composite. , 0, , .		12

#	ARTICLE	IF	CITATIONS
19	Artificial Deep Neural Network in Hybrid PV System for Controlling the Power Management. International Journal of Photoenergy, 2022, 2022, 1-12.	2.5	12
20	A Review of Heat Batteries Based PV Module Cooling Case Studies on Performance Enhancement of Large-Scale Solar PV System. Sustainability, 2022, 14, 1963.	3.2	11
21	Rough Set Theory Based Blade Condition Classification on Wind Turbine through Statistical Features. IOP Conference Series: Materials Science and Engineering, 2020, 923, 012010.	0.6	10
22	A conceptual new model for use of solar water heaters in hot and dry regions. Sustainable Energy Technologies and Assessments, 2022, 49, 101710.	2.7	10
23	Experimental Analysis of Modified DC-P&O Technique with Arm Controller for a Stand-Alone 40 W PV System. Energies, 2021, 14, 6169.	3.1	9
24	Predicting Wind Turbine Blade Fault Condition to Enhance Wind Energy Harvest Through Classification via Regression Classifier. Lecture Notes in Electrical Engineering, 2020, , 13-20.	0.4	9
25	Statistical Data Mining through Credal Decision Tree Classifiers for Fault Prediction on Wind Turbine Blades Using Vibration Signals. IOP Conference Series: Materials Science and Engineering, 0, 988, 012078.	0.6	9
26	Split-Point and Attribute-Reduced Classifier Approach for Fault Diagnosis of Wind Turbine Blade through Vibration Signals. IOP Conference Series: Materials Science and Engineering, 2020, 923, 012009.	0.6	8
27	Delay Flip Flop based Phase Frequency Detector for Power Efficient Phase Locked Loop Architecture. , 2022, , .		8
28	Data set on optimization of ethyl ester production from sapota seed oil. Data in Brief, 2019, 25, 104388.	1.0	7
29	Simulation of Wellbore Drilling Energy Saving of Nanofluids Using an Experimental Taylor Couette Flow System. Journal of Petroleum Exploration and Production, 2021, 11, 2963-2979.	2.4	7
30	A review on pipeline inspection robot. AIP Conference Proceedings, 2020, , .	0.4	7
31	A Logical Data Security Establishment over Wireless Communications using Media based Steganographic Scheme. , 2022, , .		7
32	Analysis of Millimeter-Wave based on Multichannel Wireless Networks-on-Chip. , 2022, , .		7
33	EMG-Based Control of a 5 DOF Robotic Manipulator. , 2020, , .		6
34	Design and Simulation of an Automated Guided Vehicle through Webots for Isolated COVID-19 Patients in Hospitals. , 2020, , .		6
35	Remote Controlled Pick and Place Robot. IOP Conference Series: Materials Science and Engineering, 2021, 1012, 012003.	0.6	5
36	Boiler Temperature and Pressure Monitoring System for Thermal Power Plant through LabVIEW. IOP Conference Series: Materials Science and Engineering, 0, 988, 012079.	0.6	5

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37	Enhancement of Heat Transfer in PEG 1000 Using Nano-Phase Change Material for Thermal Energy Storage. Arabian Journal for Science and Engineering, 2022, 47, 15899-15913.	3.0	5
38	Experimental Investigation on Effect of LHR in Diesel Engine Fuelled with Waste Cooking Oil Biodiesel. IOP Conference Series: Materials Science and Engineering, 2021, 1130, 012083.	0.6	4
39	Design on IoT Based Real Time Transformer Performance Monitoring System for Enhancing the Safety Measures. IOP Conference Series: Materials Science and Engineering, 2020, 988, 012076.	0.6	4
40	Implementation of Rule based Classifiers for Wind Turbine Blade Fault Diagnosis using Vibration Signals. International Journal of Recent Technology and Engineering, 2019, 8, 320-331.	0.2	4
41	Novel Based Ensemble Machine Learning Classifiers for Detecting Breast Cancer. Mathematical Problems in Engineering, 2022, 2022, 1-16.	1.1	4
42	A Comparative Study for Condition Monitoring on Wind Turbine Blade using Vibration Signals through Statistical Features: a Lazy Learning Approach. International Journal of Engineering and Technology(UAE), 2018, 7, 190.	0.3	3
43	Bearing fault diagnosis using fuzzy unordered rule induction algorithm through vibration signals. AIP Conference Proceedings, 2020, , .	0.4	3
44	A credal decision tree classifier approach for surface condition monitoring of friction stir weldment through vibration patterns. Materials Today: Proceedings, 2021, 46, 1127-1133.	1.8	3
45	A Review on Recent Trends and Development in Speech Recognition System. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 521-528.	0.2	3
46	Numerical and Experimental Investigation on Enhancing Thermal Conductivity of Paraffin Wax with Expanded Graphene in Battery Thermal Management System. International Journal of Environmental Research, 2022, 16, 1.	2.3	3
47	A Contemporary Research on Perceptual Expert System for Medical Diagnosis through Neural Dust Sensor. Procedia Computer Science, 2019, 165, 97-103.	2.0	2
48	Raphaelâ€™The Smart Helmet. , 2020, , .		2
49	A Comparative Study with J48 and Random Tree Classifier for Predicting the State of Hydraulic Braking System through Vibration Signals. , 0, , .		2
50	Implementation of K* Classifier for Identifying Misfire Prediction on Spark Ignition Four-Stroke Engine through Vibration Data. , 0, , .		2
51	Fault Diagnosis of Wind Turbine Blades using Histogram Features through Nested Dichotomy Classifiers. International Journal of Recent Technology and Engineering, 2019, 8, 193-201.	0.2	2
52	Design of IoT Based Object Tracking System for Identifying the RSS Value Access Point to Trilaterate the Location. IOP Conference Series: Materials Science and Engineering, 0, 988, 012077.	0.6	1
53	Logistic Model Tree Classifier for Condition Monitoring of Wind Turbine Blades. International Journal of Recent Technology and Engineering, 2019, 8, 202-209.	0.2	1
54	Implementing Rotation Forest for Wind Turbine Blade Fault Diagnosis. International Journal of Recent Technology and Engineering, 2019, 8, 185-192.	0.2	1

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55	Research on Hyper pipes and Voting Feature Intervals Classifier for Condition Monitoring of Wind Turbine Blades using Vibration Signals. International Journal of Recent Technology and Engineering, 2019, 8, 310-319.	0.2	1
56	Design and analysis of a tail sitter (VTOL) UAV composite wing. Materials Today: Proceedings, 2022, , .	1.8	1
57	Performance Analysis of SEPIC converter using Particle Swarm Optimization. , 2022, , .		1
58	DESIGN AND DEVELOPMENT OF 6 DOF BIPEDAL ROBOT AND ITS WALKING GAITS1. International Journal of Robotics and Automation, 2021, 36, .	0.1	0
59	Design and Development of a General-Purpose Low-Cost Stewart Platform for Laboratory Teaching: A Mechatronics Approach. Lecture Notes in Mechanical Engineering, 2021, , 469-479.	0.4	0
60	Wastage Cost Analysis of Fillet Welding on Boiler. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 505-511.	0.2	0
61	A Model Identifying Factors Affecting the Sustainable Use of Solar Dryers: A Case Study. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 73, 12-19.	0.6	0
62	A Data-Driven Approach for Various Blade Faults Using Vibrational Signals through Histogram Features on a Horizontal Wind Turbine. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 486-493.	0.2	0
63	Design Fabrication and Contour Analysis of Die Casting of Belt Buckle. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 494-504.	0.2	0
64	Cost Analysis of GR91 Hydroand Non-Hydro Boiler Header. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 512-520.	0.2	0
65	The Impact of Critical Flutter Velocity in Composite Wind Turbine Blade with Prebend Condition. Mathematical Problems in Engineering, 2022, 2022, 1-13.	1.1	0
66	An Assessment on Condition Monitoring of Automobile Gearbox through Naïve Bayes Approach using Statistical Features. , 2022, , .		0
67	Investigating Rotor Conditions on Wind Turbines Using Integrating Tree Classifiers. International Journal of Photoenergy, 2022, 2022, 1-14.	2.5	0
68	Experimental Investigation of Heat-Treated Tool on Wire Electric Discharge Machining of Titanium Alloy (Ti-6Al-4V). Advances in Materials Science and Engineering, 2022, 2022, 1-11.	1.8	0