Dr Kannadasan Raju

List of Publications by Year
in descending order

31 papers	641 citations	687220 13 h-index	580701 25 g-index
31 all docs	31 docs citations	31 times ranked	618 citing authors

#	Article	IF	Citations
1	Electrical and Mechanical Characteristics Assessment of Wind Turbine System Employing Acoustic Sensors and Matrix Converter. Sustainability, 2022, 14, 4404.	1.6	5
2	A Framework-Based Wind Forecasting to Assess Wind Potential with Improved Grey Wolf Optimization and Support Vector Regression. Sustainability, 2022, 14, 4235.	1.6	9
3	A Novel Forward-Propagation Workflow Assessment Method for Malicious Packet Detection. Sensors, 2022, 22, 4167.	2.1	1
4	Harmonics Minimisation in Non-Linear Grid System Using an Intelligent Hysteresis Current Controller Operated from a Solar Powered ZETA Converter. Sustainability, 2022, 14, 7028.	1.6	4
5	An improved intelligent technique for maximum power point tracking under partial shading conditions of photo voltaic system. Journal of Intelligent and Fuzzy Systems, 2022, , 1-19.	0.8	1
6	Short term power dispatch using neural network based ensemble classifier. Journal of Energy Storage, 2021, 33, 102101.	3.9	16
7	Long-Term Techno-Economic Analysis of Sustainable and Zero Grid Cellular Base Station. IEEE Access, 2021, 9, 54159-54172.	2.6	18
8	Design and Validation of BAT Algorithm-Based Photovoltaic System Using Simplified High Gain Quasi Boost Inverter. Energies, 2021, 14, 1086.	1.6	13
9	Techno-Economic Investigation of Wind Energy Potential in Selected Sites with Uncertainty Factors. Sustainability, 2021, 13, 2182.	1.6	10
10	A Novel Multiobjective Hybrid Technique for Siting and Sizing of Distributed Generation and Capacitor Banks in Radial Distribution Systems. Sustainability, 2021, 13, 3308.	1.6	45
11	Assessment and Integration of Renewable Energy Resources Installations with Reactive Power Compensator in Indian Utility Power System Network. Electronics (Switzerland), 2021, 10, 912.	1.8	10
12	Power Quality Enhancement in Electric Arc Furnace Using Matrix Converter and Static VAR Compensator. Electronics (Switzerland), 2021, 10, 1125.	1.8	9
13	Autonomous Fuzzy Controller Design for the Utilization of Hybrid PV-Wind Energy Resources in Demand Side Management Environment. Electronics (Switzerland), 2021, 10, 1618.	1.8	12
14	Sensorless parameter estimation of VFD based cascade centrifugal pumping system using automatic pump curve adaption method. Energy Reports, 2021, 7, 453-466.	2.5	19
15	An Evaluation on Wind Energy Potential Using Multi-Objective Optimization Based Non-Dominated Sorting Genetic Algorithm III. Sustainability, 2021, 13, 410.	1.6	22
16	Design of Efficient Off-Grid Solar Photovoltaic Water Pumping System Based on Improved Fractional Open Circuit Voltage MPPT Technique. International Journal of Photoenergy, 2021, 2021, 1-18.	1.4	18
17	Exploration of Machine Learning Approaches for Paddy Yield Prediction in Eastern Part of Tamilnadu. Agronomy, 2021, 11, 2068.	1.3	19
18	Categorizing Diseases from Leaf Images Using a Hybrid Learning Model. Symmetry, 2021, 13, 2073.	1.1	6

#	Article	IF	Citations
19	Re-Allocation of Distributed Generations Using Available Renewable Potential Based Multi-Criterion-Multi-Objective Hybrid Technique. Sustainability, 2021, 13, 13709.	1.6	6
20	COVID-19: Impact analysis and recommendations for power sector operation. Applied Energy, 2020, 279, 115739.	5.1	180
21	Design of Rotor Blades for Vertical Axis Wind Turbine with Wind Flow Modifier for Low Wind Profile Areas. Sustainability, 2020, 12, 8050.	1.6	19
22	Investigation on Sizing of Voltage Source for a Battery Energy Storage System in Microgrid With Renewable Energy Sources. IEEE Access, 2020, 8, 188861-188874.	2.6	64
23	A Holistic Review of the Present and Future Drivers of the Renewable Energy Mix in Maharashtra, State of India. Sustainability, 2020, 12, 6596.	1.6	55
24	Development of High Gradient ZnO Arrester Material for High Voltage Applications. IEEE Access, 2020, 8, 115685-115693.	2.6	3
25	An Assessment of Onshore and Offshore Wind Energy Potential in India Using Moth Flame Optimization. Energies, 2020, 13, 3063.	1.6	45
26	Performance improvement of MO surge arrester using high gradient arrester block against VFTOs. Proceeding of the Electrical Engineering Computer Science and Informatics, 2019, 6, .	0.0	0
27	Effect of capacitance on ZnO-Bi2O3-Yb2O3 based varistor for nanosecond transients. Journal of Central South University, 2018, 25, 2332-2338.	1.2	3
28	Modelling and validation of metal oxide surge arrester for very fast transients. High Voltage, 2018, 3, 147-153.	2.7	13
29	Successful turning on of MOSAs under very fast transients. IET Generation, Transmission and Distribution, 2018, 12, 3852-3861.	1.4	5
30	Performance improvement of metal–oxide arrester for VFTs. IET Science, Measurement and Technology, 2017, 11, 438-444.	0.9	7
31	Development of metal oxide arrester block using a rare earth element for very fast transient overvoltage applications. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 4893-4900.	0.9	4