

Cheng-Chien Kuo

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36

papers

235

citations

9

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13

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44

ext. papers

398

ext. citations

2.5

avg, IF

4.19

L-index

#	Paper	IF	Citations
36	Fault Diagnosis System for Induction Motors by CNN Using Empirical Wavelet Transform. <i>Symmetry</i> , 2019 , 11, 1212	2.7	40
35	Analysis and Sizing of Mini-Grid Hybrid Renewable Energy System for Islands. <i>IEEE Access</i> , 2020 , 8, 70013-70029	3.5	20
34	Induction Motors Condition Monitoring System with Fault Diagnosis Using a Hybrid Approach. <i>Energies</i> , 2019 , 12, 1471	3.1	18
33	Induction Motor Diagnostic System Based on Electrical Detection Method and Fuzzy Algorithm. <i>International Journal of Fuzzy Systems</i> , 2016 , 18, 732-740	3.6	17
32	Optimal Configuration with Capacity Analysis of a Hybrid Renewable Energy and Storage System for an Island Application. <i>Energies</i> , 2020 , 13, 8	3.1	15
31	. <i>IEEE Access</i> , 2020 , 8, 130003-130013	3.5	15
30	Application of Machine Learning for Fault Classification and Location in a Radial Distribution Grid. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4965	2.6	15
29	Condition Monitor System for Rotation Machine by CNN with Recurrence Plot. <i>Energies</i> , 2019 , 12, 3221	3.1	11
28	Implementation of a Motor Diagnosis System for Rotor Failure Using Genetic Algorithm and Fuzzy Classification. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 31	2.6	9
27	Techno-Economic and Sizing Analysis of Battery Energy Storage System for Behind-the-Meter Application. <i>IEEE Access</i> , 2020 , 8, 203734-203746	3.5	8
26	Power quality improvement using microsystem technology for wind power plant. <i>Microsystem Technologies</i> , 2020 , 26, 1799-1811	1.7	7
25	Fuzzy Theory-Based Partial Discharge Technique for Operating State Diagnosis of High-Voltage Motor. <i>International Journal of Fuzzy Systems</i> , 2016 , 18, 1092-1103	3.6	6
24	Fault diagnosis of power capacitors using a convolutional neural network combined with the chaotic synchronisation method and the empirical mode decomposition method. <i>IET Science, Measurement and Technology</i> , 2021 , 15, 551-561	1.5	6
23	A Hybrid Optimization Approach for Power Loss Reduction and DG Penetration Level Increment in Electrical Distribution Network. <i>Energies</i> , 2020 , 13, 6008	3.1	5
22	Frequency Occurrence Plot-Based Convolutional Neural Network for Motor Fault Diagnosis. <i>Electronics (Switzerland)</i> , 2020 , 9, 1711	2.6	4
21	Energy Consumption Load Forecasting Using a Level-Based Random Forest Classifier. <i>Symmetry</i> , 2019 , 11, 956	2.7	4
20	Feasible Reserve in Day-Ahead Unit Commitment Using Scenario-Based Optimization. <i>Energies</i> , 2020 , 13, 5239	3.1	3

19	Development of a High-Speed Data Acquisition Card for Partial Discharge Measurement. <i>IEEE Access</i> , 2019 , 7, 140312-140318	3.5	3
18	A Novel Excitation Approach for Power Transformer Simulation Based on Finite Element Analysis. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10334	2.6	3
17	Optimal Sizing and Techno-Economic Analysis of Minigrid Hybrid Renewable Energy System for Tourist Destination Islands of Lake Tana, Ethiopia. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7085	2.6	3
16	Optimal design and performance analysis of solar power microsystem for mini-grid application. <i>Microsystem Technologies</i> , 2021 , 27, 1267-1281	1.7	3
15	Partial discharge detection for stator winding insulation of motors using artificial neural network. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401878612	1.2	3
14	Operating Monitoring and Fault Types Classification for Motors through Vibration Signal 2016 ,		2
13	Voltage Quality Enhancement of Grid-Integrated PV System Using Battery-Based Dynamic Voltage Restorer. <i>Energies</i> , 2020 , 13, 5742	3.1	2
12	Techno-economic analysis of microsystem based hybrid energy combination for island application. <i>Microsystem Technologies</i> , 2021 , 27, 1507-1523	1.7	2
11	Optimal Configuration with Capacity Analysis of PV-Plus-BESS for Behind-the-Meter Application. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7851	2.6	2
10	Fault Diagnosis of Induction Motors with Imbalanced Data Using Deep Convolutional Generative Adversarial Network. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4080	2.6	2
9	Turn-to-Turn Fault Diagnosis on Three-Phase Power Transformer Using Hybrid Detection Algorithm. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2608	2.6	1
8	Performance Analysis of Partitioned Step Particle Swarm Optimization in Function Evaluation. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2670	2.6	1
7	Power Electric Transformer Fault Diagnosis Based on Infrared Thermal Images Using Wasserstein Generative Adversarial Networks and Deep Learning Classifier. <i>Electronics (Switzerland)</i> , 2021 , 10, 1161	2.6	1
6	Planning and Research of Distribution Feeder Automation with Decentralized Power Supply. <i>Electronics (Switzerland)</i> , 2021 , 10, 362	2.6	1
5	Research on Energy Storage Optimization Operation Schedule in an Island System. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3690	2.6	0
4	Contamination assessment of insulators using microsystem technology with fuzzy-based approach. <i>Microsystem Technologies</i> , 2021 , 27, 1759-1772	1.7	0
3	Magnetic field distribution of magnetic encoder with TMR sensor using finite element analysis. <i>Microsystem Technologies</i> , 2020 , 26, 2683-2701	1.7	
2	Dielectric characteristics of complex perovskite ceramic at microwave frequencies for application in dielectric resonator antenna temperature sensor network. <i>Journal of the Australian Ceramic Society</i> , 2021 , 57, 983	1.5	

- 1 Optimal Sizing of PV-Diesel-Battery System Using Different Inverter Types. *IEEE Access*, **2021**, 1-1 3.5