

# Cheng-Chien Kuo

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9570122/cheng-chien-kuo-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

235  
citations

9  
h-index

13  
g-index

44  
ext. papers

398  
ext. citations

2.5  
avg, IF

4.19  
L-index

#	Paper	IF	Citations
36	Fault Diagnosis of Induction Motors with Imbalanced Data Using Deep Convolutional Generative Adversarial Network. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 4080	2.6	2
35	A Novel Excitation Approach for Power Transformer Simulation Based on Finite Element Analysis. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10334	2.6	3
34	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> , <b>2021</b> , 15, 551-561	1.5	6
33	Turn-to-Turn Fault Diagnosis on Three-Phase Power Transformer Using Hybrid Detection Algorithm. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2608	2.6	1
32	Performance Analysis of Partitioned Step Particle Swarm Optimization in Function Evaluation. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2670	2.6	1
31	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> , <b>2021</b> , 57, 983	1.5	
30	Research on Energy Storage Optimization Operation Schedule in an Island System. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3690	2.6	0
29	Power Electric Transformer Fault Diagnosis Based on Infrared Thermal Images Using Wasserstein Generative Adversarial Networks and Deep Learning Classifier. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1161	2.6	1
28	Optimal Sizing and Techno-Economic Analysis of Minigrad Hybrid Renewable Energy System for Tourist Destination Islands of Lake Tana, Ethiopia. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7085	2.6	3
27	Optimal design and performance analysis of solar power microsystem for mini-grid application. <i>Microsystem Technologies</i> , <b>2021</b> , 27, 1267-1281	1.7	3
26	Techno-economic analysis of microsystem based hybrid energy combination for island application. <i>Microsystem Technologies</i> , <b>2021</b> , 27, 1507-1523	1.7	2
25	Contamination assessment of insulators using microsystem technology with fuzzy-based approach. <i>Microsystem Technologies</i> , <b>2021</b> , 27, 1759-1772	1.7	0
24	Optimal Sizing of PV-Diesel-Battery System Using Different Inverter Types. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	
23	Planning and Research of Distribution Feeder Automation with Decentralized Power Supply. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 362	2.6	1
22	Optimal Configuration with Capacity Analysis of PV-Plus-BESS for Behind-the-Meter Application. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7851	2.6	2
21	Feasible Reserve in Day-Ahead Unit Commitment Using Scenario-Based Optimization. <i>Energies</i> , <b>2020</b> , 13, 5239	3.1	3
20	Frequency Occurrence Plot-Based Convolutional Neural Network for Motor Fault Diagnosis. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1711	2.6	4

19	Magnetic field distribution of magnetic encoder with TMR sensor using finite element analysis. <i>Microsystem Technologies</i> , <b>2020</b> , 26, 2683-2701	1.7	
18	Analysis and Sizing of Mini-Grid Hybrid Renewable Energy System for Islands. <i>IEEE Access</i> , <b>2020</b> , 8, 70013-70029	3.5	20
17	Optimal Configuration with Capacity Analysis of a Hybrid Renewable Energy and Storage System for an Island Application. <i>Energies</i> , <b>2020</b> , 13, 8	3.1	15
16	Power quality improvement using microsystem technology for wind power plant. <i>Microsystem Technologies</i> , <b>2020</b> , 26, 1799-1811	1.7	7
15	. <i>IEEE Access</i> , <b>2020</b> , 8, 130003-130013	3.5	15
14	Voltage Quality Enhancement of Grid-Integrated PV System Using Battery-Based Dynamic Voltage Restorer. <i>Energies</i> , <b>2020</b> , 13, 5742	3.1	2
13	A Hybrid Optimization Approach for Power Loss Reduction and DG Penetration Level Increment in Electrical Distribution Network. <i>Energies</i> , <b>2020</b> , 13, 6008	3.1	5
12	Application of Machine Learning for Fault Classification and Location in a Radial Distribution Grid. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4965	2.6	15
11	Techno-Economic and Sizing Analysis of Battery Energy Storage System for Behind-the-Meter Application. <i>IEEE Access</i> , <b>2020</b> , 8, 203734-203746	3.5	8
10	Condition Monitor System for Rotation Machine by CNN with Recurrence Plot. <i>Energies</i> , <b>2019</b> , 12, 3221	3.1	11
9	Induction Motors Condition Monitoring System with Fault Diagnosis Using a Hybrid Approach. <i>Energies</i> , <b>2019</b> , 12, 1471	3.1	18
8	Energy Consumption Load Forecasting Using a Level-Based Random Forest Classifier. <i>Symmetry</i> , <b>2019</b> , 11, 956	2.7	4
7	Fault Diagnosis System for Induction Motors by CNN Using Empirical Wavelet Transform. <i>Symmetry</i> , <b>2019</b> , 11, 1212	2.7	40
6	Development of a High-Speed Data Acquisition Card for Partial Discharge Measurement. <i>IEEE Access</i> , <b>2019</b> , 7, 140312-140318	3.5	3
5	Partial discharge detection for stator winding insulation of motors using artificial neural network. <i>Advances in Mechanical Engineering</i> , <b>2018</b> , 10, 168781401878612	1.2	3
4	Implementation of a Motor Diagnosis System for Rotor Failure Using Genetic Algorithm and Fuzzy Classification. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 31	2.6	9
3	Fuzzy Theory-Based Partial Discharge Technique for Operating State Diagnosis of High-Voltage Motor. <i>International Journal of Fuzzy Systems</i> , <b>2016</b> , 18, 1092-1103	3.6	6
2	Operating Monitoring and Fault Types Classification for Motors through Vibration Signal <b>2016</b> ,		2

- 1 Induction Motor Diagnostic System Based on Electrical Detection Method and Fuzzy Algorithm. *International Journal of Fuzzy Systems*, **2016**, 18, 732-740 3.6 17