

Abdullahi Mas'ud

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3957469/publications.pdf>

Version: 2024-02-01

46
papers

697
citations

567281

15
h-index

552781

26
g-index

46
all docs

46
docs citations

46
times ranked

740
citing authors

#	ARTICLE	IF	CITATIONS
1	An assessment of renewable energy readiness in Africa: Case study of Nigeria and Cameroon. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 775-784.	16.4	60
2	Artificial Neural Network Application for Partial Discharge Recognition: Survey and Future Directions. <i>Energies</i> , 2016, 9, 574.	3.1	54
3	Renewable energy potentials in Cameroon: Prospects and challenges. <i>Renewable Energy</i> , 2015, 76, 560-565.	8.9	53
4	Performance analysis of a novel rotationally asymmetrical compound parabolic concentrator. <i>Applied Energy</i> , 2015, 154, 221-231.	10.1	47
5	A review on the recent progress made on solar photovoltaic in selected countries of sub-Saharan Africa. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 441-452.	16.4	44
6	On the Use of Monopole Antennas for Determining the Effect of the Enclosure of a Power Transformer Tank in Partial Discharges Electromagnetic Propagation. <i>Sensors</i> , 2016, 16, 148.	3.8	42
7	Solar Energy Potentials and Benefits in the Gulf Cooperation Council Countries: A Review of Substantial Issues. <i>Energies</i> , 2018, 11, 372.	3.1	41
8	Application of an ensemble neural network for classifying partial discharge patterns. <i>Electric Power Systems Research</i> , 2014, 110, 154-162.	3.6	35
9	Nuclear Energy Development in Bangladesh: A Study of Opportunities and Challenges. <i>Energies</i> , 2018, 11, 1672.	3.1	35
10	Comparison of the Performance of Artificial Neural Networks and Fuzzy Logic for Recognizing Different Partial Discharge Sources. <i>Energies</i> , 2017, 10, 1060.	3.1	32
11	Application and Suitability of Polymeric Materials as Insulators in Electrical Equipment. <i>Energies</i> , 2021, 14, 2758.	3.1	23
12	An investigative study into the sensitivity of different partial discharge \dot{I}_t -q-n pattern resolution sizes on statistical neural network pattern classification. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 92, 497-507.	5.0	21
13	Wind Power Potentials in Cameroon and Nigeria: Lessons from South Africa. <i>Energies</i> , 2017, 10, 443.	3.1	21
14	Optimisation of the performance of a novel rotationally asymmetrical optical concentrator design for building integrated photovoltaic system. <i>Energy</i> , 2015, 90, 1033-1045.	8.8	19
15	Optimum Configuration of a Renewable Energy System Using Multi-Year Parameters and Advanced Battery Storage Modules: A Case Study in Northern Saudi Arabia. <i>Sustainability</i> , 2021, 13, 5123.	3.2	17
16	The Application of Homer Optimization Software to Investigate the Prospects of Hybrid Renewable Energy System in Rural Communities of Sokoto in Nigeria. <i>International Journal of Electrical and Computer Engineering</i> , 2017, 7, 596.	0.7	17
17	Behavior of an Inductive Loop Sensor in the Measurement of Partial Discharge Pulses with Variations in Its Separation from the Primary Conductor. <i>Sensors</i> , 2018, 18, 2324.	3.8	15
18	Using Static Concentrator Technology to Achieve Global Energy Goal. <i>Sustainability</i> , 2019, 11, 3056.	3.2	15

#	ARTICLE	IF	CITATIONS
19	Finite Element analysis models for numerical simulation of partial discharges in spherical cavities within solid dielectrics: a review and a novel method. High Voltage, 2020, 5, 556-568.	4.7	14
20	Performance analysis of a solar window incorporating a novel rotationally asymmetrical concentrator. Energy, 2016, 99, 181-192.	8.8	12
21	An Ensemble-Boosting Algorithm for Classifying Partial Discharge Defects in Electrical Assets. Machines, 2017, 5, 18.	2.2	12
22	Application of the Theory of Planned Behavior in Autonomous Vehicle-Pedestrian Interaction. Applied Sciences (Switzerland), 2022, 12, 2574.	2.5	11
23	Software simulation and experimental characterisation of a rotationally asymmetrical concentrator under direct and diffuse solar radiation. Energy Conversion and Management, 2016, 122, 223-238.	9.2	10
24	Polymeric Materials for Conversion of Electromagnetic Waves from the Sun to Electric Power. Polymers, 2018, 10, 307.	4.5	9
25	Design and economic assessment of alternative renewable energy systems using capital cost projections: A case study for Saudi Arabia. Sustainable Energy Technologies and Assessments, 2021, 48, 101675.	2.7	7
26	Design and Optimization of a Grid-Connected Solar Energy System: Study in Iraq. Sustainability, 2022, 14, 8121.	3.2	6
27	Life Cycle Assessment of a Rotationally Asymmetrical Compound Parabolic Concentrator (RACPC). Sustainability, 2020, 12, 4750.	3.2	4
28	Application of the Gaussian Mixture Model to Classify Stages of Electrical Tree Growth in Epoxy Resin. Sensors, 2021, 21, 2562.	3.8	4
29	Potential of Implementing the Low Concentration Photovoltaic Systems in the United Kingdom. International Journal of Electrical and Computer Engineering, 2017, 7, 1398.	0.7	4
30	Relay Selection with Limited and Noisy Feedback. , 2015, , .		2
31	Annual Prediction Output of an RADTIRC-PV Module. Energies, 2018, 11, 544.	3.1	2
32	Assessment of the RACPC Performance under Diffuse Radiation for Use in BIPV System. Applied Sciences (Switzerland), 2020, 10, 3552.	2.5	2
33	Assessment of off-shore wind turbines for application in Saudi Arabia. International Journal of Electrical and Computer Engineering, 2020, 10, 4507.	0.7	2
34	Effect of diffuse radiation on the performance of a rotationally asymmetrical optical concentrator. , 2016, , .		1
35	A preliminary study on the hand grip and pinch strength among adults in an indigenous people community in royal belum Forest, Malaysia. , 2017, , .		1
36	A review of building integrated photovoltaic: case study of tropical climatic regions. International Journal of Power Electronics and Drive Systems, 2021, 12, 474.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Frequency Dependence of Electroluminescence Measurement in LDPE. International Journal of Electrical and Computer Engineering, 2017, 7, 1406.	0.7	1
38	Experimental investigation of different cavity arrangements in the high voltage solid insulation systems. Journal of Applied Hematology, 2022, 19, .	0.3	1
39	Linear quadratic optimal control of a DC motor. , 2013, , .		0
40	Nonlinear control of a DC motor. , 2013, , .		0
41	Statistical error tolerances of partial discharge recognition rates. , 2015, , .		0
42	Comparison of Artificial Neural Network and Multiple Regression for Partial Discharge Sources Recognition. , 2017, , .		0
43	A Pilot Study of Malnutrition Among Elderly in a Malaysia Elderly Care Centre - Part I: Assessment of Handgrip Strength Measurement. , 2018, , .		0
44	Simulating the Annual Energy Yield of a Rotationally Asymmetrical Optical Concentrator. , 2018, , .		0
45	Rotating blade faults classification of a rotor-disk-blade system using artificial neural network. International Journal of Power Electronics and Drive Systems, 2021, 12, 1900.	0.6	0
46	Development of a Control System for a Domestic Grid-Connected Wind Turbine. Journal of Computational and Theoretical Nanoscience, 2019, 16, 2249-2258.	0.4	0