

Nurul Aini Bani

List of Publications by Year in descending order

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46
papers

517
citations

687363

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47
all docs

47
docs citations

47
times ranked

534
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical Modelling of a Static Concentrating Photovoltaic: Simulation and Experimental Validation. Applied Sciences (Switzerland), 2021, 11, 3894.	2.5	1
2	Application of the Gaussian Mixture Model to Classify Stages of Electrical Tree Growth in Epoxy Resin. Sensors, 2021, 21, 2562.	3.8	4
3	Application and Suitability of Polymeric Materials as Insulators in Electrical Equipment. Energies, 2021, 14, 2758.	3.1	23
4	Indoor Characterisation of a Reverse Truncated Pyramid Concentrator. , 2021, , .		0
5	Assessment of the RACPC Performance under Diffuse Radiation for Use in BIPV System. Applied Sciences (Switzerland), 2020, 10, 3552.	2.5	2
6	Life Cycle Assessment of a Rotationally Asymmetrical Compound Parabolic Concentrator (RACPC). Sustainability, 2020, 12, 4750.	3.2	4
7	Renewable Energy Performance of the Green Buildings: Key-Enabler on Useful Consumption Yield. IEEE Access, 2020, 8, 95747-95767.	4.2	1
8	Artificial Generation of Partial Discharge Sources Through an Algorithm Based on Deep Convolutional Generative Adversarial Networks. IEEE Access, 2020, 8, 24561-24575.	4.2	18
9	Mode I Fracture Toughness of Optimized Alkali-Treated Bambusa Vulgaris Bamboo by Box-Behnken Design. Lecture Notes in Mechanical Engineering, 2020, , 565-575.	0.4	1
10	Electroencephalogram (EEG) Human Stress Level Classification based on Theta/Beta Ratio. International Journal of Integrated Engineering, 2020, 12, .	0.4	12
11	Using Static Concentrator Technology to Achieve Global Energy Goal. Sustainability, 2019, 11, 3056.	3.2	15
12	Photovoltaic Expansion-Limit through a Net Energy Metering Scheme for Selected Malaysian Public Hospitals. Sustainability, 2019, 11, 5131.	3.2	6
13	Integrating and Enhancing Mathematical Knowledge in Jelebu Secondary Schools. Journal of Physics: Conference Series, 2019, 1174, 012012.	0.4	0
14	A Review of Vibration Detection Methods Using Accelerometer Sensors for Water Pipeline Leakage. IEEE Access, 2019, 7, 51965-51981.	4.2	64
15	Performance Evaluation of Unconcentrated Photovoltaic-Thermoelectric Generator Hybrid System under Tropical Climate. Sustainability, 2019, 11, 6192.	3.2	12
16	IoT Enabled Wireless Health Monitoring System Using Textile Antenna. , 2019, , .		2
17	Renewable Energy for Sustainable Growth and Development: An Evaluation of Law and Policy of Bangladesh. Sustainability, 2019, 11, 5774.	3.2	45
18	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

#	ARTICLE	IF	CITATIONS
19	Second Derivative and Contour Analysis of PPG for Diabetic Patients. , 2018, , .		6
20	Harvesting Sustainable Energy from Salt Water: Part I â€œ Effect of Types of Electrodes. , 2018, , .		0
21	Hybrid Power Supply System for Telecommunication Base Station. , 2018, , .		1
22	Statistical Feature Analysis of EEG Alpha Asymmetry Between Relaxed and Non-Relaxed. , 2018, , .		1
23	A Pilot Study of Malnutrition Among Elderly in a Malaysia Elderly Care Centre - Part I: Assessment of Handgrip Strength Measurement. , 2018, , .		0
24	Simulating the Annual Energy Yield of a Rotationally Asymmetrical Optical Concentrator. , 2018, , .		0
25	Annual Prediction Output of an RADTIRC-PV Module. Energies, 2018, 11, 544.	3.1	2
26	Energy Revolution for Our Common Future: An Evaluation of the Emerging International Renewable Energy Law. Energies, 2018, 11, 1769.	3.1	22
27	Nuclear Energy Development in Bangladesh: A Study of Opportunities and Challenges. Energies, 2018, 11, 1672.	3.1	35
28	A Comparison of Inductive Sensors in the Characterization of Partial Discharges and Electrical Noise Using the Chromatic Technique. Sensors, 2018, 18, 1021.	3.8	29
29	Assessment of Health Status of the Elderly and Pre-elderly at a Malaysia Elderly Care Centre. International Journal of Integrated Engineering, 2018, 10, .	0.4	5
30	Feasibility Study of a Low Cost Saltwater Lamp for Rural Area. International Journal of Integrated Engineering, 2018, 10, .	0.4	0
31	Statistical Feature Analysis of EEG Signals for Calmness Index Establishment. International Journal of Integrated Engineering, 2018, 10, .	0.4	1
32	Estimation of HbA1c level among diabetic patients using second derivative of Photoplethysmography. , 2017, , .		8
33	A preliminary study on the hand grip and pinch strength among adults in an indigenous people community in royal belum Forest, Malaysia. , 2017, , .		1
34	Performance of simple turbo process with non-standard mapping. , 2017, , .		1
35	Wind Power Potentials in Cameroon and Nigeria: Lessons from South Africa. Energies, 2017, 10, 443.	3.1	21
36	Comparison of the Performance of Artificial Neural Networks and Fuzzy Logic for Recognizing Different Partial Discharge Sources. Energies, 2017, 10, 1060.	3.1	32

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37	Comparison of Artificial Neural Network and Multiple Regression for Partial Discharge Sources Recognition. , 2017, , .		0
38	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
39	Artificial Neural Network Application for Partial Discharge Recognition: Survey and Future Directions. Energies, 2016, 9, 574.	3.1	54
40	EEG features extraction and k-NN classification during eyes closed. , 2016, , .		2
41	A review on the recent progress made on solar photovoltaic in selected countries of sub-Saharan Africa. Renewable and Sustainable Energy Reviews, 2016, 62, 441-452.	16.4	44
42	Effect of diffuse radiation on the performance of a rotationally asymmetrical optical concentrator. , 2016, , .		1
43	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
44	Solar energy needs focus. Nature, 2016, 529, 466-466.	27.8	14
45	Performance analysis of a solar window incorporating a novel rotationally asymmetrical concentrator. Energy, 2016, 99, 181-192.	8.8	12
46	Statistical error tolerances of partial discharge recognition rates. , 2015, , .		0