Lanre Olatomiwa

List of Publications by Year
in descending order

25 papers	2,521 citations	489802 18 h-index	799663 21 g-index
27 all docs	27 docs citations	27 times ranked	2694 citing authors

#	ARTICLE	IF	CITATIONS
1	An Overview of Configurations and Dispatch Strategies in Hybrid Energy Systems. , 2022, , .		2
2	Techno-economic Analysis of Hybrid Energy System Connected to an Unreliable Grid: A Case Study of a Rural Community in Nigeria. , 2022, , .		2
3	Comparative study and sensitivity analysis of a standalone hybrid energy system for electrification of rural healthcare facility in Nigeria. AEJ - Alexandria Engineering Journal, 2021, 60, 5547-5565.	3.4	30
4	Optimal planning and electricity sharing strategy of hybrid energy system for remote communities in Nigeria. Scientific African, 2020, 10, e00589.	0.7	6
5	Performance assessment of three grid-connected photovoltaic systems with combined capacity of 6.575 kWp in Malaysia. Journal of Cleaner Production, 2020, 277, 123242.	4.6	26
6	Assessment of technical and economic feasibility for a hybrid PV-wind-diesel-battery energy system in a remote community of north central Nigeria. AEJ - Alexandria Engineering Journal, 2019, 58, 1103-1118.	3.4	83
7	Data-based investigation on the performance of an independent gas turbine for electricity generation using real power measurements and other closely related parameters. Data in Brief, 2019, 26, 104444.	0.5	1
8	Towards a more efficient and cost-sensitive extreme learning machine: A state-of-the-art review of recent trend. Neurocomputing, 2019, 350, 70-90.	3.5	44
9	Possibility of solar thermal power generation technologies in Nigeria: Challenges and policy directions. Renewable Energy Focus, 2019, 29, 24-41.	2.2	19
10	Evaluation of Solar PV Microgrid Deployment Sustainability in Rural Areas: A fuzzy STEEP Approach. , 2019, , .		12
11	Hybrid renewable energy supply for rural healthcare facilities: An approach to quality healthcare delivery. Sustainable Energy Technologies and Assessments, 2018, 30, 121-138.	1.7	100
12	Application of the hybrid ANFIS models for long term wind power density prediction with extrapolation capability. PLoS ONE, 2018, 13, e0193772.	1.1	38
13	Performance analysis of hybrid PV/diesel/battery system using HOMER: A case study Sabah, Malaysia. Energy Conversion and Management, 2017, 144, 322-339.	4.4	274
14	Application of extreme learning machine for short term output power forecasting of three grid-connected PV systems. Journal of Cleaner Production, 2017, 167, 395-405.	4.6	191
15	Performance evaluation of a stand-alone PV-wind-diesel-battery hybrid system feasible for a large resort center in South China Sea, Malaysia. Sustainable Cities and Society, 2017, 28, 358-366.	5.1	241
16	Energy management strategies in hybrid renewable energy systems: A review. Renewable and Sustainable Energy Reviews, 2016, 62, 821-835.	8.2	421
17	Optimal configuration assessments of hybrid renewable power supply for rural healthcare facilities. Energy Reports, 2016, 2, 141-146.	2.5	71
18	Hybrid renewable power supply for rural health clinics (RHC) in six geo-political zones of Nigeria. Sustainable Energy Technologies and Assessments, 2016, 13, 1-12.	1.7	79

#	Article	IF	Citations
19	Global Solar Radiation Forecasting Based on SVM-Wavelet Transform Algorithm. International Journal of Intelligent Systems and Applications, 2016, 8, 19-26.	0.9	2
20	Techno–economic analysis of hybrid <scp>PV</scp>–diesel–battery and <scp>PV</scp>–wind–diesel–battery power systems for mobile <scp>BTS</scp>: the way forward for rural development. Energy Science and Engineering, 2015, 3, 271-285.	1.9	158
21	Economic evaluation of hybrid energy systems for rural electrification in six geo-political zones of Nigeria. Renewable Energy, 2015, 83, 435-446.	4.3	221
22	Techno-economic feasibility of hybrid renewable energy system for rural health centre (RHC): The wayward for quality health delivery. , 2015, , .		7
23	A support vector machine–firefly algorithm-based model for global solar radiation prediction. Solar Energy, 2015, 115, 632-644.	2.9	295
24	Adaptive neuro-fuzzy approach for solar radiation prediction in Nigeria. Renewable and Sustainable Energy Reviews, 2015, 51, 1784-1791.	8.2	141
25	Optimal sizing of hybrid energy system for a remote telecom tower: A case study in Nigeria. , 2014, , .		26