

# Abba Lawan Bukar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/532709/publications.pdf>

Version: 2024-02-01

19  
papers

678  
citations

1039406

9  
h-index

1058022

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal sizing of an autonomous photovoltaic/wind/battery/diesel generator microgrid using grasshopper optimization algorithm. <i>Solar Energy</i> , 2019, 188, 685-696.	2.9	283
2	A review on stand-alone photovoltaic-wind energy system with fuel cell: System optimization and energy management strategy. <i>Journal of Cleaner Production</i> , 2019, 221, 73-88.	4.6	155
3	A rule-based energy management scheme for long-term optimal capacity planning of grid-independent microgrid optimized by multi-objective grasshopper optimization algorithm. <i>Energy Conversion and Management</i> , 2020, 221, 113161.	4.4	109
4	Energy management strategy and capacity planning of an autonomous microgrid: Performance comparison of metaheuristic optimization searching techniques. <i>Renewable Energy Focus</i> , 2022, 40, 48-66.	2.2	22
5	Energy cost reduction in residential nanogrid under constraints of renewable energy, customer demand fitness and binary battery operations. <i>Journal of Energy Storage</i> , 2021, 39, 102520.	3.9	18
6	Optimal residence energy management with time and device-based preferences using an enhanced binary grey wolf optimization algorithm. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 41, 100798.	1.7	17
7	An Approach to Energy Saving and Cost of Energy Reduction Using an Improved Efficient Technology. <i>Open Journal of Energy Efficiency</i> , 2015, 04, 61-68.	0.6	17
8	Simple and fast computation photovoltaic emulator using shift controller. <i>IET Renewable Power Generation</i> , 2020, 14, 2017-2026.	1.7	14
9	Economic Assessment of a PV/Diesel/Battery Hybrid Energy System for a Non-Electrified Remote Village in Nigeria. <i>European Journal of Engineering Research and Science</i> , 2017, 2, 21.	0.3	10
10	Analysis of energy management schemes for renewable-energy-based smart homes against the backdrop of COVID-19. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102136.	1.7	10
11	Optimal Sizing of Hybrid Fuel Cell and PV Employing Hybrid PSO-GA. , 2019, , .		5
12	A simplified and fast computing photovoltaic model for string simulation under partial shading condition. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 42, 100812.	1.7	5
13	Economic Analysis of Residential Grid-connected Photovoltaic System with Lithium-ion Battery Storage. , 2019, , .		3
14	A Review of the Smart Grid Communication Technologies in Contactless Charging with Vehicle to Grid Integration Technology. <i>Journal of Integrated and Advanced Engineering</i> , 2021, 1, 11-20.	0.2	3
15	Optimal planning of hybrid photovoltaic/battery/diesel generator in ship power system. <i>International Journal of Power Electronics and Drive Systems</i> , 2020, 11, 1527.	0.5	3
16	The performances of partial shading adjuster for improving photovoltaic emulator. <i>International Journal of Power Electronics and Drive Systems</i> , 2022, 13, 528.	0.5	2
17	Energy Management Strategy and Capacity Planning of an Autonomous Microgrid: A Comparative Study of Metaheuristic Optimization Searching Techniques. , 2021, , .		1
18	Economic Assessment of a PV/Diesel/Battery Hybrid Energy System for a Non-Electrified Remote Village in Nigeria. <i>European Journal of Education and Pedagogy</i> , 2017, 2, 21-31.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Stability Analysis in a Grid-interactive Residential Nanogrid Using Markov Chains. , 2021, , .		0