

# Ogheneruona Diemuodeke

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

827  
citations

566801

15  
h-index

500791

28  
g-index

39  
all docs

39  
docs citations

39  
times ranked

756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal mapping of hybrid renewable energy systems for locations using multi-criteria decision-making algorithm. <i>Renewable Energy</i> , 2019, 134, 461-477.	4.3	103
2	Modelling and optimisation of a hybrid PV-wind turbine-pumped hydro storage energy system for mini-grid application in coastline communities. <i>Journal of Cleaner Production</i> , 2020, 250, 119578.	4.6	99
3	Energy, exergy, environmental and economic analysis of an agricultural waste-to-energy integrated multigeneration thermal power plant. <i>Energy Conversion and Management</i> , 2018, 171, 222-240.	4.4	98
4	Thermo-environmental and economic analysis of an integrated municipal waste-to-energy solid oxide fuel cell, gas-, steam-, organic fluid- and absorption refrigeration cycle thermal power plants. <i>Applied Energy</i> , 2019, 239, 1385-1401.	5.1	90
5	Ambient temperature kinetic assessment of biogas production from co-digestion of horse and cow dung. <i>Research in Agricultural Engineering</i> , 2011, 57, 97-104.	0.5	66
6	Design and Economic Analysis of a Photovoltaic System: A Case Study. <i>International Journal of Renewable Energy Development</i> , 2012, 1, 65-73.	1.2	46
7	Multi-criteria assessment of hybrid renewable energy systems for Nigeria's coastline communities. <i>Energy, Sustainability and Society</i> , 2016, 6, .	1.7	33
8	Thermodynamic and economic analysis of a Kalina system with integrated lithium-bromide-absorption cycle for power and cooling production. <i>Energy Reports</i> , 2020, 6, 1992-2005.	2.5	26
9	Thermo-economic and environmental analysis of integrated power plant with carbon capture and storage technology. <i>Energy</i> , 2022, 240, 122748.	4.5	24
10	Power Situation and renewable energy potentials in Nigeria – A case for integrated multi-generation technology. <i>Renewable Energy</i> , 2021, 177, 773-796.	4.3	23
11	Domestic energy demand assessment of coastline rural communities with solar electrification. <i>Energy and Policy Research</i> , 2017, 4, 1-9.	0.8	22
12	Assessment of Wind and Solar Hybrid Energy for Agricultural Applications in Sudan. <i>Energies</i> , 2022, 15, 5.	1.6	20
13	Exergoeconomic and Environmental Modeling of Integrated Polygeneration Power Plant with Biomass-Based Syngas Supplemental Firing. <i>Energies</i> , 2020, 13, 6018.	1.6	18
14	Composite Multi-Criteria Decision Analysis for Optimization of Hybrid Renewable Energy Systems for Geopolitical Zones in Nigeria. <i>Sustainability</i> , 2020, 12, 5732.	1.6	18
15	Development and modelling of heat and mass transfer analysis of a low-cost solar dryer integrated with biomass heater: Application for West African Region. <i>Scientific African</i> , 2020, 10, e00615.	0.7	18
16	Environmental sustainability of the Nigeria transport sector through decomposition and decoupling analysis with future framework for sustainable transport pathways. <i>Energy Reports</i> , 2021, 7, 3238-3248.	2.5	16
17	Optimum configuration and design of a photovoltaic-diesel-battery hybrid energy system for a facility in University of Port Harcourt, Nigeria. <i>International Journal of Ambient Energy</i> , 2016, 37, 2-9.	1.4	15
18	Policy pathways for renewable and sustainable energy utilisation in rural coastline communities in the Niger Delta zone of Nigeria. <i>Energy Reports</i> , 2018, 4, 638-644.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Optimal thermal power plant selection for a tropical region using multi-criteria decision analysis. <i>Applied Thermal Engineering</i> , 2020, 179, 115706.	3.0	11
20	Model for remaining strength estimation of a corroded pipeline with interacting defects for oil and gas operations. <i>Cogent Engineering</i> , 2019, 6, .	1.1	10
21	Techno-economic and environmental feasibility analysis of rice husks fired energy system for application in a cluster of rice mills. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111365.	8.2	10
22	Assessing Crop Water Requirements and a Case for Renewable-Energy-Powered Pumping System for Wheat, Cotton, and Sorghum Crops in Sudan. <i>Energies</i> , 2021, 14, 8133.	1.6	9
23	Solar PV Electrification in Nigeria: Current Status and Affordability Analysis. <i>Journal of Power and Energy Engineering</i> , 2021, 09, 1-25.	0.3	6
24	Design of hoppers using spreadsheet. <i>Research in Agricultural Engineering</i> , 2010, 56, 53-58.	0.5	5
25	Techno-economic comparison of wet and dry cooling systems for combined cycle power plants in different climatic zones. <i>Energy Conversion and Management</i> , 2021, 227, 113610.	4.4	5
26	Multi-criteria optimisation of integrated power systems for low-environmental impact. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 3459-3476.	1.2	4
27	Mechanistic Model for the Breakup Length in Jet Atomization. <i>SAE International Journal of Engines</i> , 0, 9, 1314-1319.	0.4	3
28	Optimal Hybrid PV-Battery-Diese Generator Energy System for the Oil Producing Communities in Niger-Delta, Nigeria: A Case Study. <i>Distributed Generation and Alternative Energy Journal</i> , 2016, 31, 33-54.	1.1	3
29	Techno-Economic Analysis of Solar e-Cooking Systems for Rural Communities in Nigeria. <i>Advances in Science and Technology</i> , 0, , .	0.2	3
30	Analysis of air-conditioning and drying processes using spreadsheet add-in for psychrometric data. <i>Journal of Engineering Science and Technology Review</i> , 2010, 3, 7-13.	0.2	3
31	Long-Term Energy Demand-side Modelling of Nigerian Household Sector. <i>Energy and Climate Change</i> , 2021, , 100065.	2.2	3
32	Thermoeconomic analysis of agro-wastes combined cooling, heating and power ORC plant for agrarian rural communities. <i>International Journal of Ambient Energy</i> , 0, , 1-14.	1.4	2
33	Modelling of Liquid Fuel Spray in Non-Isothermal Environments. , 2014, , .		1
34	Exergoeconomic analysis of cascaded organic power plant for the Port Harcourt climatic zone, Nigeria. <i>Cogent Engineering</i> , 2016, 3, 1227127.	1.1	1
35	Energy Scenarios for Ambitious and Effective Nigerianâ€™s Nationally Determined Contributions. , 2020, , .		1
36	Spreadsheet Add-in for Heat Exchanger Logarithmic Mean Temperature Difference Correction Factors. <i>International Journal of Computer Applications</i> , 2012, 44, 24-30.	0.2	1

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37	Modelling of Accelerating Non-Isothermal Liquid Jet Breakup Mechanisms. , 0, , .		0
38	Analytical modelling of laminar drag and freestream turbulence eddies on droplet breakup criterion for internal combustion engines. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 1956-1965.	1.1	0
39	Conical Hopper Design Parameters for Selected Food Powders using MS Excel Add-in. International Journal of Computer Applications, 2015, 113, 29-33.	0.2	0