

Nigeria electricity crisis: Power generation capacity expansion ramifications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Current Status and Future Prospects of Renewable Energy Use in Turkey. Energy Exploration and Exploitation, 2010, 28, 411-431.	1.1	12
2	Environmental impact assessment of a new nuclear power plant (NPP) based on atmospheric dispersion modeling. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1897-1911.	1.9	19
3	Towards understanding the benefits and challenges of Smart/Micro-Grid for electricity supply system in Nigeria. Renewable and Sustainable Energy Reviews, 2014, 38, 1003-1014.	8.2	50
4	Optimal Feed-In Tariff Policies: The Role of Technology Manufacturers. SSRN Electronic Journal, 0, , .	0.4	4
5	An integrated stochastic multi-regional long-term energy planning model incorporating autonomous power systems and demand response. Energy, 2015, 82, 865-888.	4.5	75
6	An assessment of renewable energy readiness in Africa: Case study of Nigeria and Cameroon. Renewable and Sustainable Energy Reviews, 2015, 51, 775-784.	8.2	60
7	Current status and future prospects of renewable energy in Nigeria. Renewable and Sustainable Energy Reviews, 2015, 48, 336-346.	8.2	130
8	Transforming the Nigerian power sector for sustainable development. Energy Policy, 2015, 87, 429-437.	4.2	33
9	The long-term forecast of Pakistan's electricity supply and demand: An application of long range energy alternatives planning. Energy, 2015, 93, 2423-2435.	4.5	109
10	Malaysia energy strategy towards sustainability: A panoramic overview of the benefits and challenges. Renewable and Sustainable Energy Reviews, 2015, 42, 1094-1105.	8.2	52
11	ADAPTATION OF PLASTIC WASTE TO ENERGY DEVELOPMENT IN LAGOS: AN OVERVIEW ASSESSMENT. Nigerian Journal of Technology, 2016, 35, 778.	0.2	9
12	The Potential Reduction of Carbon Dioxide (CO2) Emissions from Gas Flaring in Nigeria's Oil and Gas Industry through Alternative Productive Use. Environments - MDPI, 2016, 3, 31.	1.5	15
13	Analysis of an isolated micro-grid for nigerian terrain. , 2016, , .		7
14	Towards building smart energy systems in sub-Saharan Africa: A conceptual analytics of electric power consumption. , 2016, , .		5
15	Economics of gas to wire technology applied in gas flare management. Engineering Science and Technology, an International Journal, 2016, 19, 2109-2118.	2.0	23
16	The Stagnation and Decay of Radiation Oncology Resources: Lessons From Nigeria. International Journal of Radiation Oncology Biology Physics, 2016, 95, 1327-1333.	0.4	23
17	An analysis of the power market in Saudi Arabia: Retrospective cost and environmental optimization. Applied Energy, 2016, 165, 548-558.	5.1	30
18	Rural Electrification and Household Labor Supply: Evidence from Nigeria. World Development, 2016, 82, 48-68.	2.6	48

#	ARTICLE	IF	CITATIONS
19	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
20	Integration of Demand and Supply Side Management strategies in Generation Expansion Planning. Renewable and Sustainable Energy Reviews, 2017, 73, 966-982.	8.2	51
21	Electricity planning and implementation in sub-Saharan Africa: A systematic review. Renewable and Sustainable Energy Reviews, 2017, 74, 1189-1209.	8.2	108
22	Is it wise to compromise renewable energy future for the sake of expediency? An analysis of Pakistan's long-term electricity generation pathways. Energy Strategy Reviews, 2017, 17, 6-18.	3.3	42
23	A review of photovoltaic module technologies for increased performance in tropical climate. Renewable and Sustainable Energy Reviews, 2017, 75, 1225-1238.	8.2	80
24	Sustainable Low-Carbon Expansion for the Power Sector of an Emerging Economy: The Case of Kenya. Environmental Science & Technology, 2017, 51, 10232-10242.	4.6	33
25	A comprehensive sequential review study through the generation expansion planning. Renewable and Sustainable Energy Reviews, 2017, 67, 1369-1394.	8.2	81
26	Wind Power Potentials in Cameroon and Nigeria: Lessons from South Africa. Energies, 2017, 10, 443.	1.6	21
27	A means to an industrialisation end? Demand Side Management in Nigeria. Energy Policy, 2018, 115, 207-215.	4.2	21
28	Fuel-price reform to achieve climate and energy policy goals in Saudi Arabia: A multiple-scenario analysis. Utilities Policy, 2018, 50, 1-12.	2.1	6
29	Solar energy's potential to mitigate political risks: The case of an optimised Africa-wide network. Energy Policy, 2018, 117, 108-126.	4.2	28
30	Nigeria's energy poverty: Insights and implications for smart policies and framework towards a smart Nigeria electricity network. Renewable and Sustainable Energy Reviews, 2018, 81, 1582-1601.	8.2	52
31	Energy Politics and Rural Development in Sub-Saharan Africa. , 2018, , .		5
32	The place of small hydropower electrification scheme in socioeconomic stimulation of Nigeria. International Journal of Low-Carbon Technologies, 2018, 13, 311-319.	1.2	18
33	A Review of Commercial Biogas Systems and Lessons for Africa. Energies, 2018, 11, 2984.	1.6	68
34	Decentralised Energy Systems in Africa: Coordination and Integration of Off-Grid and Grid Power Systems—Review of Planning Tools to Identify Renewable Energy Deployment Options for Rural Electrification in Africa. Current Sustainable/Renewable Energy Reports, 2018, 5, 214-223.	1.2	19
35	Challenges of Microgrids in Remote Communities: A STEEP Model Application. Energies, 2018, 11, 432.	1.6	100
36	Downward longwave radiation categories in Nigeria. Dynamics of Atmospheres and Oceans, 2018, 83, 122-134.	0.7	1

#	ARTICLE	IF	CITATIONS
37	Low carbon scenarios and policies for the power sector in Botswana. <i>Climate Policy</i> , 2019, 19, 219-230.	2.6	12
38	RURAL ENERGY CONDITIONS IN OYO STATE: PRESENT AND FUTURE PERSPECTIVES ON THE UNTAPPED RESOURCES. <i>International Journal of Energy Economics and Policy</i> , 2019, 9, 419-432.	0.5	2
39	Thermal Analysis of Nigerian Oil Palm Biomass with Sachet-Water Plastic Wastes for Sustainable Production of Biofuel. <i>Processes</i> , 2019, 7, 475.	1.3	17
40	Electricity outages in Ghana: Are contingent valuation estimates valid?. <i>Energy Policy</i> , 2019, 135, 110996.	4.2	27
41	A metropolitan scale analysis of the impacts of future electricity mix alternatives on the water-energy nexus. <i>Applied Energy</i> , 2019, 256, 113870.	5.1	26
42	The current and emerging renewable energy technologies for power generation in Nigeria: A review. <i>Thermal Science and Engineering Progress</i> , 2019, 13, 100390.	1.3	42
43	The economic cost of unreliable grid power in Nigeria. <i>African Journal of Science, Technology, Innovation and Development</i> , 2019, 11, 149-159.	0.8	7
44	Solar PV-diesel hybrid systems for the Nigerian private sector: An impact assessment. <i>Energy Policy</i> , 2019, 132, 196-207.	4.2	23
45	A comprehensive state-of-the-art survey on power generation expansion planning with intermittent renewable energy source and energy storage. <i>International Journal of Energy Research</i> , 2019, 43, 6078-6107.	2.2	76
46	Decision analysis to support the choice of a future power generation pathway for Sri Lanka. <i>Applied Energy</i> , 2019, 240, 680-697.	5.1	17
47	The Commonwealth: a panacea for the UK's post-Brexit trade ills?. <i>Contemporary Social Science</i> , 2019, 14, 341-360.	1.0	4
48	REPLAN: Multi-Region Power System Planning Approach for Nigeria. , 2019, , .		3
49	Technical Barriers to Renewable Energy Technology Adoption in Nigeria. , 2019, , .		0
50	Electricity situation and potential development in Nigeria using off-grid green energy solutions. <i>Journal of Applied Sciences and Environmental Management</i> , 2019, 23, 527.	0.1	5
51	EFFECTS OF THE 2011 GREAT EAST JAPAN EARTHQUAKE ON ELECTRICITY LOAD DEMAND: STRUCTURAL CHANGES DURING RECOVERY PERIODS. <i>Review of Urban and Regional Development Studies</i> , 2019, 31, 118-136.	0.2	2
52	Optimal Feed-in Tariff Policies: The Impact of Market Structure and Technology Characteristics. <i>Production and Operations Management</i> , 2019, 28, 1108-1128.	2.1	22
53	Contextualizing hazard mitigation policy for electricity grids in the Sudan Sahel Region of Nigeria. <i>Energy Policy</i> , 2019, 124, 135-143.	4.2	7
55	Lithium in drinking water sources in rural and urban communities in Southeastern Nigeria. <i>Chemosphere</i> , 2020, 245, 125593.	4.2	18

#	ARTICLE	IF	CITATIONS
56	A review of Nigerian energy access studies: The story told so far. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 120, 109646.	8.2	35
57	An Energy Audit Approach Towards Mitigating Power Infrastructural Dearth in Nigeria Universities: ABUAD as a Case Study. , 2020, , .		3
58	Integrated energy systemsâ€™ modeling studies for sub-Saharan Africa: A scoping review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 128, 109915.	8.2	31
59	Actors and governance in the transition toward universal electricity access in Sub-Saharan Africa. <i>Energy Policy</i> , 2020, 143, 111572.	4.2	23
60	Development and Assessment of Renewable Energyâ€™Integrated Multigeneration System for Rural Communities in Nigeria: Case Study. <i>Journal of Energy Engineering - ASCE</i> , 2020, 146, .	1.0	10
61	Infrastructural Challenges Lead to Delay of Curative Radiotherapy in Nigeria. <i>JCO Global Oncology</i> , 2020, 6, 269-276.	0.8	20
62	Blog Technology: Constraints to Implementation in Public University Libraries in Nigeria. <i>Science and Technology Libraries</i> , 2020, 39, 83-95.	0.8	1
63	An approach for sustainable energy planning towards 100 % electrification of Nigeria by 2030. <i>Energy</i> , 2020, 197, 117172.	4.5	45
64	Petrology, physicochemical and thermal analyses of selected cretaceous coals from the Benue Trough Basin in Nigeria. <i>International Journal of Coal Science and Technology</i> , 2020, 7, 26-42.	2.7	14
65	Towards nexus-based governance: defining interactions between economic activities and Sustainable Development Goals (SDGs). <i>International Journal of Sustainable Development and World Ecology</i> , 2021, 28, 210-226.	3.2	84
66	The relationship between environmental degradation, energy use and economic growth in Nigeria: new evidence from non-linear ARDL. <i>International Journal of Energy Sector Management</i> , 2021, 15, 81-100.	1.2	19
67	Multi-objective optimization modelling for analysing sustainable development goals of Nigeria: Agenda 2030. <i>Environment, Development and Sustainability</i> , 2021, 23, 9529-9563.	2.7	22
68	How to get rural households out of energy poverty in Nigeria: A contingent valuation. <i>Energy Policy</i> , 2021, 149, 112072.	4.2	24
69	Using a choice experiment to understand preferences in off-grid solar electricity attributes: The case of Nigerian households. <i>Energy for Sustainable Development</i> , 2021, 60, 33-39.	2.0	2
70	Barriers to the Adoption of Industrialised Building Systems in Developing Countries. , 2021, , 865-878.		0
71	The prospect of electricity generation from biomass in the developing countries. <i>International Journal of Smart Grid and Clean Energy</i> , 2021, , 150-156.	0.4	3
72	Delivering low-carbon electricity systems in sub-Saharan Africa: insights from Nigeria. <i>Energy and Environmental Science</i> , 2021, 14, 4018-4037.	15.6	12
73	Effect of Inadequate Electrification on Nigeriaâ€™s Economic Development and Environmental Sustainability. <i>Sustainability</i> , 2021, 13, 2229.	1.6	14

#	ARTICLE	IF	CITATIONS
74	The effects of feed and energy costs on broiler farm decisions: A dynamic programming approach. <i>Agricultural Economics (United Kingdom)</i> , 2021, 52, 249-264.	2.0	3
75	Pillars of Effective and Efficient Energy Systems in Nigeria. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 665, 012023.	0.2	0
76	Decentralized Electricity Generation Can Revive Nigeria Dying Critical Sectors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1107, 012105.	0.3	2
77	Geochemistry, mineralogy and thermal analyses of Cretaceous coals from the Benue Trough basin Nigeria: Reconnaissance assessments. <i>Journal of African Earth Sciences</i> , 2021, 178, 104167.	0.9	1
78	Estimated billing system is the bane of grid electric power supply and development in Nigeria: An empirical analysis. <i>Journal of Advances in Science and Engineering</i> , 2021, 5, 1-10.	0.2	1
79	Towards Commercialization of Third-Generation Biofuel Industry for Sustainable Energy Production in Nigeria. <i>ChemBioEng Reviews</i> , 0, , .	2.6	4
80	Grid integration of renewable energy in Qatar: Potentials and limitations. <i>Energy</i> , 2021, 235, 121310.	4.5	31
81	Investigating the value of spatiotemporal resolutions and feedback loops in water-energy nexus modeling. <i>Environmental Modelling and Software</i> , 2021, 145, 105197.	1.9	6
82	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
84	A Fuzzy Multi-Criteria Decision-Making Approach for Power Generation Problem Analysis. <i>Journal in Energy and Environment</i> , 2020, 7, E26-E31.	0.4	2
85	Impact of Electricity Service Quality on the Performance of Manufacturing SMEs in Nigeria. <i>Journal of Business and Social Review in Emerging Economies</i> , 2017, 3, 1-10.	0.0	4
86	Political economy of Nigerian power sector reform. <i>Working Paper Series</i> , 2016, , .	0.7	11
87	Design, Development and Testing of a Combined Savonius and Darrieus Vertical Axis Wind Turbine. <i>Iranica Journal of Energy & Environment</i> , 2015, 6, .	0.2	9
88	Viability of a Photovoltaic-Diesel-Battery Hybrid Power System in Nigeria. <i>Iranica Journal of Energy & Environment</i> , 2015, 6, .	0.2	6
90	The Adoption of Knowledge Management Development System in Nigeria Higher Education. <i>International Journal of Engineering and Computer Science</i> , 0, , .	0.2	0
91	Soft computing approach for predicting OPEC countries' oil consumption. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 15, 298.	0.1	3
92	Engineering Sustainability and Cloud Computing in Higher Education - a case study Model in Nigeria. <i>International Journal of Computing and Network Technology</i> , 2017, 05, 65-75.	0.2	0
93	Poverty sequestration using Sawdust biomass energy in Nigeria. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 0, 14, 485-491.	0.4	0

#	ARTICLE	IF	CITATIONS
94	A review on Africa energy supply through renewable energy production: Nigeria, Cameroon, Ghana and South Africa as a case study. <i>Energy Strategy Reviews</i> , 2021, 38, 100740.	3.3	42
95	Integration of photovoltaic and hydrogen fuel cell system for sustainable energy harvesting of a university ICT infrastructure with an irregular electric grid. <i>Energy Conversion and Management</i> , 2021, 250, 114928.	4.4	28
96	RESTRUCTURING ARCHITECTURAL TECHNOLOGY CURRICULUM: The Pathway to achieving sustainable built environment in Southeast, Nigeria. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 588, 052013.	0.2	0
97	Thermo-economic and environmental analysis of integrated power plant with carbon capture and storage technology. <i>Energy</i> , 2022, 240, 122748.	4.5	24
98	Comparative Assessment of Awareness and Knowledge of Impact of Energy Use Behaviour among Nigerian Higher Education Institutions Residence Students. <i>Journal of Energy Research and Reviews</i> , 0, , 1-19.	0.0	0
99	Experimental Investigation of the Influence of Penstock Configuration and Angle of Twist of Flat Blades on the Performance of a Simplified Pico-Hydro System. <i>European Journal of Education and Pedagogy</i> , 2017, 2, 14-22.	0.2	1
100	Modeling of GTL-Power Coproduction as a means of optimisation of GTL plants. <i>Materials Protection</i> , 2022, 63, 89-100.	0.1	0
101	Hydropower development, policy and partnership in the 21st century: A China-Nigeria outlook. <i>Energy and Environment</i> , 2023, 34, 1170-1204.	2.7	2
102	A review of new flare gases recovery methods to increase energy efficiency and reduce pollutants. , 2022, , .		1
103	A Review of Planning of Integrated Energy System in Nigeria. , 2022, , .		0
104	Modeling the Next Decade of Energy Sustainability: A Case of a Developing Country. <i>Energies</i> , 2022, 15, 5083.	1.6	6
105	A review of sustainable planning of Burundian energy sector in East Africa. <i>Energy Strategy Reviews</i> , 2022, 43, 100927.	3.3	8
106	The status of natural radioactivity in Nigerian environments. <i>Radiation and Environmental Biophysics</i> , 2022, 61, 597-608.	0.6	3
107	Mapping Access to Electricity in Urban and Rural Nigeria. <i>Sustainable Development Goals Series</i> , 2023, , 141-149.	0.2	0
108	Investigating the strategic planning process and governance to promote grid-based renewable energy development in Nigeria. , 2023, 5, 100116.		0
109	An institutional framework for energy transitions: Lessons from the Nigerian electricity industry history. <i>Energy Research and Social Science</i> , 2023, 97, 102994.	3.0	3
110	Driving the clean energy transition in Cameroon: A sustainable pathway to meet the Paris climate accord and the power supply/demand gap. <i>Frontiers in Sustainable Cities</i> , 0, 5, .	1.2	5
111	Performance evaluation of the prospects and challenges of effective power generation and distribution in Nigeria. <i>Heliyon</i> , 2023, 9, e14416.	1.4	5

#	ARTICLE	IF	CITATIONS
115	Green Economic Policies in Africa. International Political Economy Series, 2023, , 175-197.	0.3	0
121	Biotechnology of biofuels: bioethanol and biodiesel. , 2024, , 219-236.		0