

Udochukwu B Akuru

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

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times ranked

294
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Design and Performance Analysis of 10 kW Rare-Earth and Non-Rare Earth Flux Reversal Wind Generators. <i>Energies</i> , 2022, 15, 636.	1.6	6
2	Optimization and Performance Evaluation of Non-Overlap Wound-Field Converter-Fed and Direct-Grid Wind Generators. <i>IEEE Access</i> , 2022, 10, 40587-40595.	2.6	6
3	Potentials of Brushless Stator-Mounted Machines in Electric Vehicle Drives – A Literature Review. <i>World Electric Vehicle Journal</i> , 2022, 13, 93.	1.6	5
4	Non-Conventional, Non-Permanent Magnet Wind Generator Candidates. <i>Wind</i> , 2022, 2, 429-450.	0.6	4
5	AN OVERVIEW ON COGGING TORQUE AND TORQUE RIPPLE REDUCTION IN FLUX SWITCHING MACHINES. <i>International Journal of Power and Energy Systems</i> , 2021, 41, .	0.2	6
6	Modelling and Simulation of a DC-excited Vernier Reluctance Machine as a Synchronous Condenser. , 2021, , .		1
7	On the Electromagnetic Performance Prediction of Turbo Synchronous Condensers Based on Wound-Field Flux Switching Machine Design. <i>IEEE Transactions on Industry Applications</i> , 2021, 57, 3687-3698.	3.3	6
8	Cross-Coupling Inductance Parameter Estimation for More Accurate Performance Evaluation of Wound-Field Flux Modulation Machines. <i>Electronics (Switzerland)</i> , 2020, 9, 1748.	1.8	11
9	Design and Performance Assessment of a Small-Scale Ferrite-PM Flux Reversal Wind Generator. <i>Energies</i> , 2020, 13, 5565.	1.6	6
10	Optimisation and Design Performance of a Small-Scale DC Vernier Reluctance Machine for Direct-Drive Wind Generator Drives. , 2020, , .		5
11	Bringing Back the Synchronous Compensator for the South Africa Power Network – Simulation and Compensator Technology. , 2019, , .		4
12	Performance Evaluation of 5.5 kW Six-Phase Asynchronous Motor. , 2019, , .		4
13	A Modest Attempt on the Electromagnetic Design and Performance Prediction of Turbo Wound-Field Flux Switching Synchronous Condensers. , 2019, , .		3
14	Potentials of locally manufactured wound-field flux switching wind generator in South Africa. <i>Journal of Energy in Southern Africa</i> , 2019, 30, 110-117.	0.5	3
15	Formulation and Multiobjective Design Optimization of Wound-Field Flux Switching Machines for Wind Energy Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 1828-1836.	5.2	42
16	Novel Experimentation of a 10 kW Geared Medium-Speed Wound-Field Flux Switching Wind Generator Drive. , 2018, , .		9
17	Design Optimisation and Comparison of Large-Scale Non-Overlap Wound-Field Machines. , 2018, , .		3
18	Design Optimisation and Performance Evaluation of Flux Switching Machines for Geared Medium-Speed Wind Generator Drives. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Design and Investigation of Low-cost PM Flux Switching Machine for Geared Medium-speed Wind Energy Applications. <i>Electric Power Components and Systems</i> , 2018, 46, 1084-1092.	1.0	5
20	Optimisation and design comparison of 10-kW and 3-MW PM flux-switching machines for geared medium-speed wind power generators. <i>Electrical Engineering</i> , 2018, 100, 2509-2525.	1.2	3
21	Intriguing Behavioral Characteristics of Rare-Earth-Free Flux Switching Wind Generators at Small- and Large-Scale Power Levels. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 5772-5782.	3.3	30
22	Design topology of a sustainable remote-controlled fan regulator for developing countries. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 71, 639-644.	8.2	0
23	Towards 100% renewable energy in Nigeria. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 71, 943-953.	8.2	111
24	Performance comparison of optimum wound-field and ferrite PM flux switching machines for wind energy applications. , 2016, , .		13
25	Evaluation of flux switching PM machines for medium-speed wind generator drives. , 2015, , .		6
26	Comparative advantage of flux switching PM machines for medium-speed wind drives. , 2015, , .		4
27	Harnessing Nigeria's abundant solar energy potential using the DESERTEC model. <i>Journal of Energy in Southern Africa</i> , 2015, 26, 105-110.	0.5	1
28	Contemporary wind generators. <i>Journal of Energy in Southern Africa</i> , 2015, 26, 116-124.	0.5	6
29	Contemporary wind generators. , 2014, , .		2
30	Economic implications of constant power outages on SMEs in Nigeria. <i>Journal of Energy in Southern Africa</i> , 2014, 25, 61-66.	0.5	15
31	Impact of renewable energy deployment on climate change in Nigeria. , 2013, , .		4
32	Electromagnetic Wave Effect on Human Health: Challenges for Developing Countries. , 2012, , .		7
33	Revolutionalising engineering programmes in developing countries by incorporating a mechatronics curriculum. , 2011, , .		0
34	A Prediction on Nigeria's Oil Depletion Based on Hubbert's Model and the Need for Renewable Energy. <i>ISRN Renewable Energy</i> , 2011, 2011, 1-6.	0.3	6
35	Renewable energy investment in Nigeria: A review of the renewable energy master plan. , 2010, , .		17
36	Economic Implications of Constant Power Outages on SMEs in Nigeria. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3