

Temitayo Olayemi Olowu

List of Publications by Year in descending order

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27
papers

399
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27
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times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithmic Formulation for Network Resilience Enhancement by Optimal DER Hosting and Placement. IEEE Access, 2022, 10, 23477-23488.	4.2	11
2	Optimal Design of IPT Bipolar Power Pad for Roadway-Powered EV Charging Systems. Canadian Journal of Electrical and Computer Engineering, 2021, 44, 350-355.	2.0	14
3	A low-complexity FS-MPDPC with extended voltage set for grid-connected converters. IET Energy Systems Integration, 2021, 3, 413-425.	1.8	1
4	Optimal Volt-VAR and Volt-Watt Droop Settings of Smart Inverters. , 2021, , .		7
5	Smart Inverters' Functionalities and their Impacts on Distribution Feeders at High Photovoltaic Penetration. , 2021, , .		5
6	Pareto Optimal Smart Inverter Curve Selection for High Photovoltaic Penetration. , 2021, , .		5
7	Voltage-Controlled Series Resonant DC-DC Converter for Solid State Transformer Applications. , 2021, , .		5
8	Multiphysics-based Design Optimization of Medium Frequency Transformer with Experimental Validation. , 2021, , .		0
9	Parasitic Parameter Analysis of High Frequency Transformer for Series Resonant Converter with Experimental Validation. , 2021, , .		2
10	Multiphysics and Multiobjective Design Optimization of High-Frequency Transformers for Solid-State Transformer Applications. IEEE Transactions on Industry Applications, 2021, 57, 1014-1023.	4.9	27
11	Virtual Inertia-Based Multipower Level Controller for Inductive Electric Vehicle Charging Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7369-7382.	5.4	12
12	Design and Implementation of Estimating Algorithm for Foreign Object Location in Wireless Charging EV Systems. , 2020, , .		2
13	Multi-Level Power Controller Design for Dynamic Wireless Electric Vehicle Charging Systems. , 2020, , .		6
14	A Novel Module Independent Straight Line-Based Fast Maximum Power Point Tracking Algorithm for Photovoltaic Systems. Energies, 2020, 13, 3233.	3.1	12
15	A Novel Technique for Discrimination of Foreign Object from Misalignment in Wireless Charging Systems. , 2019, , .		5
16	Fleet Aggregation of Photovoltaic Systems: A Survey and Case Study. , 2019, , .		14
17	Photovoltaic Fleet Aggregation and High Penetration: A Feeder Test Case. , 2019, , .		1
18	Bidirectional AC/DC Converter Topologies: A Review. , 2019, , .		10

#	ARTICLE	IF	CITATIONS
19	Voltage Security-Constrained Optimal Generation Rescheduling for Available Transfer Capacity Enhancement in Deregulated Electricity Markets. <i>Energies</i> , 2019, 12, 4371.	3.1	5
20	Study of Smart Grid Protection Challenges with High Photovoltaic Penetration. , 2019, , .		14
21	Physics-Based Design Optimization of High Frequency Transformers for Solid State Transformer Applications. , 2019, , .		13
22	Case study on the effects of partial solar eclipse on distributed PV systems and management areas. <i>IET Smart Grid</i> , 2019, 2, 477-490.	2.2	19
23	A Multi-Objective Voltage Optimization Technique in Distribution Feeders with High Photovoltaic Penetration. <i>Advances in Science, Technology and Engineering Systems</i> , 2019, 4, 377-385.	0.5	3
24	Optimal Smart Inverters Volt-VAR Curve Selection with a Multi-Objective Volt-VAR Optimization using Evolutionary Algorithm Approach. , 2018, , .		49
25	A Multi-Objective Optimization Technique for Volt-Var Control with High PV Penetration using Genetic Algorithm. , 2018, , .		25
26	Future Challenges and Mitigation Methods for High Photovoltaic Penetration: A Survey. <i>Energies</i> , 2018, 11, 1782.	3.1	116
27	Real-time remote monitoring and automated control of granary environmental factors using wireless sensor network. , 2017, , .		16