Kamran Ali Khan Niazi

List of Publications by Year
in descending order

18 papers	407 citations	1040056 9 h-index	1125743 13 g-index
18 all docs	18 docs citations	18 times ranked	432 citing authors

#	Article	IF	Citations
1	Hotspot diagnosis for solar photovoltaic modules using a Naive Bayes classifier. Solar Energy, 2019, 190, 34-43.	6.1	99
2	Energy Storage Systems for Shipboard Microgrids—A Review. Energies, 2018, 11, 3492.	3.1	92
3	Review of mismatch mitigation techniques for PV modules. IET Renewable Power Generation, 2019, 13, 2035-2050.	3.1	46
4	Hotspots and performance evaluation of crystalline-silicon and thin-film photovoltaic modules. Microelectronics Reliability, 2018, 88-90, 1014-1018.	1.7	40
5	Efficiency Comparison of AC and DC Distribution Networks for Modern Residential Localities. Applied Sciences (Switzerland), 2019, 9, 582.	2.5	38
6	Control of Hybrid Diesel/PV/Battery/Ultra-Capacitor Systems for Future Shipboard Microgrids. Energies, 2019, 12, 3460.	3.1	22
7	A Review on Transformerless Step-Up Single-Phase Inverters with Different DC-Link Voltage for Photovoltaic Applications. Energies, 2019, 12, 3626.	3.1	15
8	Evaluation of Interconnection Configuration Schemes for PV Modules with Switched-Inductor Converters under Partial Shading Conditions. Energies, 2019, 12, 2802.	3.1	13
9	Dual-loop control strategy applied to PV/battery-based islanded DC microgrids for swarm electrification of developing regions. Journal of Engineering, 2019, 2019, 5298-5302.	1.1	12
10	Kernel recursive least square tracker and long-short term memory ensemble based battery health prognostic model. IScience, 2021, 24, 103286.	4.1	8
11	Hybrid Energy Storage Systems for Voltage Stabilization in Shipboard Microgrids. , 2019, , .		6
12	Battery Energy Storage Systems for Mitigating Fluctuations Caused by Pulse Loads and Propulsion Motors in Shipboard Microgrids. , 2019, , .		3
13	Switched-Capacitor-Inductor-based Differential Power Converter for Solar PV Modules. , 2019, , .		3
14	A Simple Mismatch Mitigating Partial Power Processing Converter for Solar PV Modules. Energies, 2021, 14, 2308.	3.1	3
15	Performance Assessment of Mismatch Mitigation Methodologies Using Field Data in Solar Photovoltaic Systems. Electronics (Switzerland), 2022, 11, 1938.	3.1	3
16	Performance Benchmark of Bypassing Techniques for Photovoltaic Modules. , 2019, , .		2
17	Reconfigurable Distributed Power Electronics Technique for Solar PV Systems. Electronics (Switzerland), 2021, 10, 1121.	3.1	2
18	Intrinsic-Capacitance-based Differential Power Processing for Photovoltaic Modules. , 2020, , .		0