

Amit Kumer Podder

List of Publications by Year in descending order

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30
papers

574
citations

1163117

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1281871

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g-index

30
all docs

30
docs citations

30
times ranked

457
citing authors

#	ARTICLE	IF	CITATIONS
1	MPPT methods for solar PV systems: a critical review based on tracking nature. IET Renewable Power Generation, 2019, 13, 1615-1632.	3.1	246
2	IoT based smart agrotech system for verification of Urban farming parameters. Microprocessors and Microsystems, 2021, 82, 104025.	2.8	82
3	Smart garbage management system for a sustainable urban life: An IoT based application. Internet of Things (Netherlands), 2020, 11, 100255.	7.7	52
4	Control Strategies of Different Hybrid Energy Storage Systems for Electric Vehicles Applications. IEEE Access, 2021, 9, 51865-51895.	4.2	46
5	Systematic Categorization of Optimization Strategies for Virtual Power Plants. Energies, 2020, 13, 6251.	3.1	22
6	Integrated modeling and feasibility analysis of a rooftop photovoltaic systems for an academic building in Bangladesh. International Journal of Low-Carbon Technologies, 2021, 16, 1317-1327.	2.6	21
7	Feasibility Assessment of Hybrid Solar Photovoltaic-Biogas Generator Based Charging Station: A Case of Easy Bike and Auto Rickshaw Scenario in a Developing Nation. Sustainability, 2022, 14, 166.	3.2	19
8	A chronological review of prospects of solar photovoltaic systems in Bangladesh: Feasibility study analysis, policies, barriers, and recommendations. IET Renewable Power Generation, 2021, 15, 2109-2132.	3.1	15
9	Design and simulation of an independent solar home system with battery backup. , 2017, , .		12
10	Design and Implementation of Remote Controlling and Monitoring System for Automatic PLC Based Packaging Industry. , 2019, , .		10
11	Power Loss Analysis of Solar Photovoltaic Integrated Model Predictive Control Based On-Grid Inverter. Energies, 2020, 13, 4669.	3.1	7
12	Remote Sensing Global Ranged Door Lock Security System via Mobile Communication. International Journal of Wireless and Microwave Technologies, 2019, 9, 25-37.	1.0	7
13	Design and construction of product separating conveyor based on color. , 2017, , .		5
14	Design and Simulation of a Photovoltaic and Fuel Cell Based Micro-grid System. , 2019, , .		5
15	Economic Analysis of a Grid Connected PV Systems: A Case Study in Khulna. European Journal of Engineering Research and Science, 2018, 3, 16.	0.3	5
16	Current THD Analysis of Model Predictive Control based Grid-Connected PV Inverter. , 2019, , .		4
17	Comparison of Different Hybrid Renewable Energy Systems With Optimized PV Configuration to Realize the Effects of Multiple Schemes. , 2019, , .		4
18	Solar, Fuel Cell and Battery Based Hybrid Energy Solution for Residential Appliances. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Theoretical analysis of substrate effects on the DC performance of AlGaIn/GaN high electron mobility transistor. , 2016, , .		2
20	Substrate effects on channel temperature distribution of AlGaIn/GaN HEMT. , 2017, , .		2
21	Model Predictive Based Energy Efficient Control of Grid-connected PV Systems. , 2018, , .		2
22	Predictive Current Control of a Simplified Three-Level Neutral-Point Clamped Inverter. , 2019, , .		1
23	Fingerprint and password controlled garage access system with belt pulley and power screw driven mechanism. International Journal of Advanced Mechatronic Systems, 2020, 8, 36.	0.2	1
24	MPPT Methods for Solar PV System: A Simulation-based Comparative Analysis. , 2021, , .		1
25	Design and performance analysis of a novel electromagnetic bandgap structure assisted phased array antenna. , 2017, , .		0
26	Performance Analysis of the Communication Satellite at the Proposed Orbital Slots for Bangladesh. , 2017, , .		0
27	Automatic Product 3D Parameters and Volume Detection and Slide Force Separation with Feedback Control System. , 2019, , .		0
28	Fingerprint and password controlled garage access system with belt pulley and power screw driven mechanism. International Journal of Advanced Mechatronic Systems, 2020, 8, 36.	0.2	0
29	Multi-constraints based predictive current control of simplified neutral point clamped inverter. World Journal of Engineering, 2021, ahead-of-print, .	1.6	0
30	A multivibrator and oscillator trainer kit for an emerging pedagogy in engineering. International Journal of Electrical Engineering and Education, 0, , 002072092098097.	0.8	0