

Amit Kumer Podder

List of Publications by Year in descending order

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457
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#	ARTICLE	IF	CITATIONS
1	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
2	IoT based smart agrotech system for verification of Urban farming parameters. Microprocessors and Microsystems, 2021, 82, 104025.	2.8	82
3	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
4	Multi-constraints based predictive current control of simplified neutral point clamped inverter. World Journal of Engineering, 2021, ahead-of-print, .	1.6	0
5	Control Strategies of Different Hybrid Energy Storage Systems for Electric Vehicles Applications. IEEE Access, 2021, 9, 51865-51895.	4.2	46
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	MPPT Methods for Solar PV System: A Simulation-based Comparative Analysis. , 2021, , .		1
8	Systematic Categorization of Optimization Strategies for Virtual Power Plants. Energies, 2020, 13, 6251.	3.1	22
9	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
10	Power Loss Analysis of Solar Photovoltaic Integrated Model Predictive Control Based On-Grid Inverter. Energies, 2020, 13, 4669.	3.1	7
11	Smart garbage management system for a sustainable urban life: An IoT based application. Internet of Things (Netherlands), 2020, 11, 100255.	7.7	52
12	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
13	MPPT methods for solar PV systems: a critical review based on tracking nature. IET Renewable Power Generation, 2019, 13, 1615-1632.	3.1	246
14	Design and Simulation of a Photovoltaic and Fuel Cell Based Micro-grid System. , 2019, , .		5
15	Current THD Analysis of Model Predictive Control based Grid-Connected PV Inverter. , 2019, , .		4
16	Automatic Product 3D Parameters and Volume Detection and Slide Force Separation with Feedback Control System. , 2019, , .		0
17	Solar, Fuel Cell and Battery Based Hybrid Energy Solution for Residential Appliances. , 2019, , .		3
18	Design and Implementation of Remote Controlling and Monitoring System for Automatic PLC Based Packaging Industry. , 2019, , .		10

#	ARTICLE	IF	CITATIONS
19	Comparison of Different Hybrid Renewable Energy Systems With Optimized PV Configuration to Realize the Effects of Multiple Schemes. , 2019, , .		4
20	Predictive Current Control of a Simplified Three-Level Neutral-Point Clamped Inverter. , 2019, , .		1
21	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
22	Model Predictive Based Energy Efficient Control of Grid-connected PV Systems. , 2018, , .		2
23	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
24	Substrate effects on channel temperature distribution of AlGaIn/GaN HEMT. , 2017, , .		2
25	Design and construction of product separating conveyor based on color. , 2017, , .		5
26	Design and performance analysis of a novel electromagnetic bandgap structure assisted phased array antenna. , 2017, , .		0
27	Design and simulation of an independent solar home system with battery backup. , 2017, , .		12
28	Performance Analysis of the Communication Satellite at the Proposed Orbital Slots for Bangladesh. , 2017, , .		0
29	Theoretical analysis of substrate effects on the DC performance of AlGaIn/GaN high electron mobility transistor. , 2016, , .		2
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