

# Santanu Kumar Dash

## List of Publications by Year in descending order

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30  
papers

410  
citations

933447

10  
h-index

794594

19  
g-index

31  
all docs

31  
docs citations

31  
times ranked

189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Power Quality Improvement Utilizing PV Fed Unified Power Quality Conditioner Based on UIV-PI and PR-R Controller. CPSS Transactions on Power Electronics and Applications, 2018, 3, 243-253.	4.4	56
2	Power Quality Enhancement and Power Flow Analysis of a PV Integrated UPQC System in a Distribution Network. IEEE Transactions on Industry Applications, 2022, 58, 201-211.	4.9	51
3	Hydrogen Fuel for Future Mobility: Challenges and Future Aspects. Sustainability, 2022, 14, 8285.	3.2	43
4	A New PV-Open-UPQC Configuration for Voltage Sensitive Loads Utilizing Novel Adaptive Controllers. IEEE Transactions on Industrial Informatics, 2021, 17, 421-429.	11.3	32
5	Novel schemes used for estimation of power system harmonics and their elimination in a three-phase distribution system. International Journal of Electrical Power and Energy Systems, 2013, 53, 842-856.	5.5	26
6	Realization of active power filter based on indirect current control algorithm using Xilinx system generator for harmonic elimination. International Journal of Electrical Power and Energy Systems, 2016, 74, 420-428.	5.5	21
7	Selected Aspects of Sustainable Mobility Reveals Implementable Approaches and Conceivable Actions. Sustainability, 2021, 13, 12918.	3.2	21
8	Design and Modeling of Single-Phase PV-UPQC Scheme for Power Quality Improvement Utilizing a Novel Notch Filter-Based Control Algorithm: An Experimental Approach. Arabian Journal for Science and Engineering, 2018, 43, 3083-3102.	3.0	20
9	Novel PV-tied UPQC topology based on a new model reference control scheme and integral plus sliding mode dc-link controller. International Transactions on Electrical Energy Systems, 2018, 28, e2564.	1.9	18
10	Comparative performance analysis of Shunt Active power filter and Hybrid Active Power Filter using FPGA-based hysteresis current controller. , 2012, , .		13
11	Photovoltaic tied unified power quality conditioner topology based on a novel notch filter utilized control algorithm for power quality improvement. Transactions of the Institute of Measurement and Control, 2019, 41, 1912-1922.	1.7	13
12	Design and Analysis of Grid Connected Photovoltaic Fed Unified Power Quality Conditioner. International Journal of Emerging Electric Power Systems, 2016, 17, 301-310.	0.8	11
13	Investigation on the performance of PV-UPQC under distorted current and voltage conditions. , 2018, , .		9
14	Performance Enhancement of PV-Fed Unified Power Quality Conditioner for Power Quality Improvement Using JAYA Optimized Control Philosophy. Arabian Journal for Science and Engineering, 2019, 44, 2115-2129.	3.0	9
15	Development and Analysis of Pothole detection and Alert based on NodeMCU. , 2020, , .		9
16	Investigation of Adaptive Intelligent MPPT Algorithm for a Low-cost IoT Enabled Standalone PV System. Australian Journal of Electrical and Electronics Engineering, 2022, 19, 261-269.	1.2	9
17	Platform Specific FPGA Based Hybrid Active Power Filter for Power Quality Enhancement. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.8	7
18	Analysis and experimental evaluation of novel hybrid fuzzyâ€based sliding mode control strategy for performance enhancement of <sc>PV</sc> fed <sc>DSTATCOM</sc>. International Transactions on Electrical Energy Systems, 2021, 31, e12815.	1.9	7

#	ARTICLE	IF	CITATIONS
19	Long Term Household Electricity Demand Forecasting Based on RNN-GBRT Model and a Novel Energy Theft Detection Method. Applied Sciences (Switzerland), 2021, 11, 8612.	2.5	7
20	Photovoltaic tied unified power quality conditioner for mitigation of voltage distortions. , 2016, , .		5
21	Performance analysis of L-type PV-DSTATCOM under ideal and distorted supply voltage. , 2016, , .		4
22	Development of 1-ph hybrid active power filter with an efficient FPGA platform for power conditioning. , 2013, , .		3
23	A TLBO optimized photovoltaic fed DSTATCOM for power quality improvement. , 2016, , .		3
24	UPQC-PV solving Power Quality issues based on system Generator FPGA controller. , 2016, , .		3
25	DS1103 real-time operation and control of Photovoltaic fed unified power quality conditioner. , 2016, , .		3
26	Smart Meter Using Raspberry Pi for Efficient Energy Utilization. Algorithms for Intelligent Systems, 2021, , 153-163.	0.6	2
27	Mitigation of power quality issues using UPQC. International Journal of Emerging Electric Power Systems, 2020, .	0.8	2
28	Analysis and Operation of FPGA-based Hybrid Active Power Filter for Harmonic Elimination in a Distribution System. , 2012, , .		1
29	Development of PV tied UPQC using PSO based PI tuning Controller based on SOI-QSG PLL. , 2020, , .		1
30	Estimation and mitigation of current harmonics using improved control schemes. , 2015, , .		0