

# Sudipta Chakraborty

## List of Publications by Year in descending order

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27  
papers

1,336  
citations

1163117

8  
h-index

1474206

9  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1418  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Intelligent Energy Management System for a Single-Phase High-Frequency AC Microgrid. IEEE Transactions on Industrial Electronics, 2007, 54, 97-109.	7.9	342
2	Rapid Active Power Control of Photovoltaic Systems for Grid Frequency Support. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1154-1163.	5.4	177
3	A review of power electronics interfaces for distributed energy systems towards achieving low-cost modular design. Renewable and Sustainable Energy Reviews, 2009, 13, 2323-2335.	16.4	122
4	A review of plug-in vehicles and vehicle-to-grid capability. , 2008, , .		113
5	A Power Hardware-in-the-Loop Platform With Remote Distribution Circuit Cosimulation. IEEE Transactions on Industrial Electronics, 2015, 62, 2236-2245.	7.9	91
6	Experimental Evaluation of Active Filtering in a Single-Phase High-Frequency AC Microgrid. IEEE Transactions on Energy Conversion, 2009, 24, 673-682.	5.2	85
7	PV-Microgrid Operational Cost Minimization by Neural Forecasting and Heuristic Optimization. , 2008, , .		61
8	Lab Tests: Verifying That Smart Grid Power Converters Are Truly Smart. IEEE Power and Energy Magazine, 2015, 13, 30-42.	1.6	51
9	A power hardware-in-the-loop framework for advanced grid-interactive inverter testing. , 2015, , .		34
10	Ground Fault Overvoltage With Inverter-Interfaced Distributed Energy Resources. IEEE Transactions on Power Delivery, 2017, 32, 890-899.	4.3	34
11	An Islanding Detection Test Platform for Multi-Inverter Islands Using Power HIL. IEEE Transactions on Industrial Electronics, 2018, 65, 7944-7953.	7.9	30
12	Evaluation of multiple inverter volt-VAR control interactions with realistic grid impedances. , 2015, , .		28
13	IEEE 1547 Standards advancing grid modernization. , 2015, , .		27
14	Application of autonomous smart inverter Volt-VAR function for voltage reduction energy savings and power quality in electric distribution systems. , 2017, , .		23
15	Power hardware-in-the-loop testing of multiple photovoltaic inverters' volt-var control with real-time grid model. , 2016, , .		17
16	Evaluation of system-integrated smart grid devices using software- and hardware-in-the-loop. , 2016, , .		16
17	An overview of real time hardware-in-the-loop capabilities in digital simulation for electric microgrids. , 2013, , .		14
18	Advanced photovoltaic inverter control development and validation in a controller-hardware-in-the-loop test bed. , 2017, , .		13

#	ARTICLE	IF	CITATIONS
19	Evaluation of VAR control and voltage regulation functionalities in a single-phase utility-connected inverter for distributed energy applications. , 2009, , .		11
20	Experimental evaluation of load rejection over-voltage from grid-tied solar inverters. , 2015, , .		7
21	Stochastic optimal scheduling of residential appliances with renewable energy sources. , 2015, , .		7
22	Examining system-wide impacts of solar PV control systems with a power hardware-in-the-loop platform. , 2014, , .		5
23	Testing advanced photovoltaic inverters conforming to IEEE standard 1547 - Amendment 1. , 2014, , .		4
24	Impacts of inverter-based advanced grid support functions on islanding detection. , 2016, , .		4
25	Cost Considerations on Fuel Cell Renewable Energy Systems. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	3
26	Sizing SiC storage inverters for fast grid frequency support. , 2015, , .		1
27	Modular Power Electronics. Green Energy and Technology, 2013, , 429-467.	0.6	0