

Somnath Maity

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

374
citations

1039880

9
h-index

1474057

9
g-index

20
all docs

20
docs citations

20
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Filippov method for the analysis of subharmonic instability in dcâ€“dc converters. International Journal of Circuit Theory and Applications, 2009, 37, 899-919.	1.3	94
2	Bifurcation Analysis of PWM-1 Voltage-Mode-Controlled Buck Converter Using the Exact Discrete Model. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1120-1130.	0.1	91
3	Analysis and Modeling of an FFHC-Controlled DCâ€“DC Buck Converter Suitable for Wide Range of Operating Conditions. IEEE Transactions on Power Electronics, 2012, 27, 4914-4924.	5.4	38
4	Modeling and Analysis of a Fast and Robust Module-Integrated Analog Photovoltaic MPP Tracker. IEEE Transactions on Power Electronics, 2016, 31, 280-291.	5.4	31
5	Dynamics and Stability Issues of a Discretized Sliding-Mode Controlled DC-DC Buck Converter Governed by Fixed-Event-Time Switching. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1657-1669.	3.5	26
6	PI controller design for indirect vector controlled induction motor: A decoupling approach. ISA Transactions, 2017, 70, 378-388.	3.1	21
7	Modeling and control of grid-connected DC/AC converters for single-phase micro-inverter application. , 2015, , .		18
8	An Efficient PV Power Optimizer With Reduced EMI Effects: Map-Based Analysis and Design Technique. IEEE Transactions on Energy Conversion, 2018, 33, 546-555.	3.7	14
9	Concurrent PI Controller Design for Indirect Vector Controlled Induction Motor. Asian Journal of Control, 2020, 22, 130-142.	1.9	14
10	A Numerical Bifurcation Analysis of Indirect Vector-Controlled Induction Motor. IEEE Transactions on Control Systems Technology, 2018, 26, 282-290.	3.2	9
11	Dynamic performance enhancement of voltage source inverter by constant-frequency hysteretic current controller. , 2014, , .		6
12	Vulnerability Analysis of Weighted Indian Power Grid Network Based on Complex Network Theory. , 2017, , .		4
13	Microcontroller-Based Current Sensorless Photovoltaic MPP Tracker. , 2018, , .		3
14	On using TCBR against cyber switching attacks on smart grids. , 2016, , .		2
15	A comparative analysis of weighted and unweighted power grid networks. , 2017, , .		1
16	Development of Observer-Based Photovoltaic MPP Tracker under Partial Shading Conditions. , 2018, , .		1
17	Effect of heterogeneity on amplitude death based stability solution of DC microgrid. , 2018, , .		1
18	Study on the use of discretized sliding-mode controller in DC-DC switching regulators. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Dynamic coupling based amplitude death solution for stabilizing DC microgrids. , 2017, , .		0
20	Dynamic controller design for an IVCIM. IET Electric Power Applications, 2019, 13, 1167-1176.	1.1	0