

Snehal Gawande

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	An Isolated Multi-Input ZCS DC-DC Front-End-Converter Based Multilevel Inverter for the Integration of Renewable Energy Sources. IEEE Transactions on Industry Applications, 2018, 54, 494-504.	4.9	81
2	Sliding Mode Control of Single-Phase Grid-Connected Quasi-Z-Source Inverter. IEEE Access, 2017, 5, 10232-10240.	4.2	51
3	An Intelligent Hybrid Approach Using KNN-GA to Enhance the Performance of Digital Protection Transformer Scheme. Canadian Journal of Electrical and Computer Engineering, 2017, 40, 151-161.	2.0	23
4	Three-level NPC inverter based new DSTATCOM topologies and their performance evaluation for load compensation. International Journal of Electrical Power and Energy Systems, 2014, 61, 576-584.	5.5	20
5	Five-Level Diode Clamped Multilevel Inverter (DCMLI) Based Electric Spring for Smart Grid Applications. Energy Procedia, 2017, 117, 862-869.	1.8	19
6	Improved equal current approach for reference current generation in shunt applications under unbalanced and distorted source and load conditions. IET Generation, Transmission and Distribution, 2016, 10, 995-1005.	2.5	16
7	Solar PV emulator for realizing PV characteristics under rapidly varying environmental conditions. , 2016, , .		15
8	Symmetrical Shoot-Through Based Decoupled Control of Z-Source Inverter. IEEE Access, 2017, 5, 11298-11306.	4.2	12
9	Dual Mode Controller-Based Solar Photovoltaic Simulator for True PV Characteristics. Canadian Journal of Electrical and Computer Engineering, 2017, 40, 237-245.	2.0	12
10	Current Controlled PWM for Multilevel Voltage-Source Inverters with Variable and Constant Switching Frequency Regulation Techniques: A Review. Journal of Power Electronics, 2014, 14, 302-314.	1.5	11
11	Nearly constant switching frequency hysteresis-based predictive control for distributed static compensator applications. IET Power Electronics, 2016, 9, 2174-2185.	2.1	9
12	Modeling of split capacitor based dstatcom & voltage balancing scheme for load compensation. , 2013, , .		8
13	Control of D-STATCOM under unbalanced and distorted voltages using Synchronous Detection method for load compensation. , 2014, , .		8
14	Cascaded multilevel inverter based electric spring for smart grid applications. , 2017, , .		8
15	Reactive power compensation of wind energy distribution system using Distribution Static Compensator (DSTATCOM). , 2012, , .		7
16	State feedback-based capacitor voltage equalisation scheme in distribution static compensator for load compensation. IET Generation, Transmission and Distribution, 2015, 9, 2188-2197.	2.5	6
17	Ant Colony Optimization applied to selective harmonic elimination in Multilevel inverters. , 2016, , .		6
18	Zero Direct-axis Current (ZDC) Control for Variable Speed Wind Energy Conversion System using PMSC. Energy Procedia, 2017, 117, 943-950.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Improved single phase instantaneous p-q theory for DVR compensating nonlinear load. , 2018, , .		6
20	Transient Analysis of Distributed Generation AC Microgrid using ETAP. , 2018, , .		6
21	Modified instantaneous symmetrical component algorithm based control for operating electric spring in active power filter mode. IET Power Electronics, 2019, 12, 1730-1741.	2.1	6
22	Review of Parallel Operation of Synchronous Generator and Induction Generator for Stability. , 2009, , .		5
23	Analysis, Design and Implementation of Single Phase SRF Controller for Dynamic Voltage Restorer under Distorted Supply Condition. Energy Procedia, 2017, 117, 716-723.	1.8	5
24	Five-level NPC/H-bridge MLI based electric spring for harmonic reduction and voltage regulation. , 2017, , .		5
25	Synchronization of Synchronous Generator and Induction Generator for Voltage. , 2010, , .		4
26	Electric spring configurations: Comprehensive analysis. , 2018, , .		4
27	Analysis of conventional inverter topologies for High voltage distribution system in shunt applications. , 2015, , .		3
28	Multiport DC-DC boost converter with zero-current switching. , 2016, , .		3
29	Capacitor voltage balancing techniques for three level capacitor clamped multilevel inverter under load compensation. , 2016, , .		3
30	Modified instantaneous p-q theory for single phase DVR for mitigation of voltage sag in case of nonlinear load. , 2016, , .		3
31	Positive sequence ISCT based distribution static compensator for non-stiff source using state feedback control. , 2016, , .		3
32	Grid-connected quasi-z-source inverter with battery. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 1847-1859.	1.4	3
33	Vector based analysis for design of single phase SRF controller in Dynamic Voltage Restorer. , 2018, , .		3
34	Particle Swarm Optimization based Distribution Static Compensator for load compensation. , 2014, , .		2
35	Hysteresis based predictive control for DSTATCOM application. , 2015, , .		2
36	Integrated three-level NPC based DSTATCOM topology using MISCT control algorithm for load compensation with non-stiff source. , 2015, , .		2

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37	Reliability evaluation of BLDC drive in refrigeration systems. , 2016, , .		2
38	Current Control Of Grid Tied Inverter through SHEPWM Method. Energy Procedia, 2017, 117, 643-650.	1.8	2
39	Performance of PMSG Based Variable Speed WECS with Parallel Back-to-Back Converters Using Separate Zero d-axis Current Control. , 2018, , .		2
40	Analysis of Conventional Inverter Topologies in Shunt Applications for Unbalanced and Non-linear Loads. , 2013, , .		1
41	Open loop and closed loop control schemes for capacitor voltage equalization in DSTATCOM application. , 2014, , .		1
42	A new DSTATCOM topology using hybrid renewable energy based dc-link VSI for power quality applications. , 2015, , .		1
43	A new capacitor balancing scheme applied to three level flying capacitor inverter based distribution static compensator. , 2016, , .		1
44	Ripple free deadbeat control of DC-DC buck converter for distributed generators. , 2016, , .		1
45	Power quality improvement of a non-stiff system using DSTATCOM with state feedback switching control. , 2017, , .		1
46	Improved SVM-HCC with nearly constant switching frequency for electric spring. , 2018, , .		1
47	Carrier-based hysteresis controlled constant switching frequency strategy for three-level inverter based DSTATCOM. , 2018, , .		1
48	Voltage sag mitigation using multilevel inverter based distribution static compensator (DSTATCOM) in low voltage distribution system. , 2012, , .		0
49	Harmonic compensation in distribution system using 3-level NPC VSI based hybrid filter. , 2013, , .		0
50	Investigation of dynamic performance of grid connected Z-source inverter based distributed generation. , 2016, , .		0
51	Harmonic analysis of grid connected Z-source inverter under variable load/input conditions. , 2016, , .		0
52	Analysis of active power sharing and synchronization in MultiDG micro grid. , 2017, , .		0
53	Space Vector Modulated Control for Electric Spring. , 2018, , .		0
54	A Novel Common Inverter Electric Spring Configuration in Smart Grid. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	Real-Time Implementation of Electric Spring With Solar PV System in Smart Grid. , 2018, , .		0
56	Proportional resonant control technique for grid interfacing of multilevel inverter. , 2018, , .		0