Snehal Gawande

List of Publications by Year
in descending order

56	400	1040056 9	940533 16
papers	citations	h-index	g-index

56	56	56	416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Grid-connected quasi-z-source inverter with battery. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 1847-1859.	1.4	3
4	Space Vector Modulated Control for Electric Spring. , 2018, , .		0
5	Improved single phase instantaneous p-q theory for DVR compensating nonlinear load. , 2018, , .		6
6	Vector based analysis for design of single phase SRF controller in Dynamic Voltage Restorer. , 2018, , .		3
7	Performance of PMSG Based Variable Speed WECS with Parallel Back-to-Back Converters Using Separate Zero d-axis Current Control. , 2018, , .		2
8	Improved SVM-HCC with nearly constant switching frequency for electric spring. , 2018, , .		1
9	Carrier-based hysteresis controlled constant switching frequency strategy for three-level inverter based DSTATCOM. , 2018, , .		1
10	A Novel Common Inverter Electric Spring Configuration in Smart Grid. , 2018, , .		0
11	Real-Time Implementation of Electric Spring With Solar PV System in Smart Grid. , 2018, , .		0
12	Transient Analysis of Distributed Generation AC Microgrid using ETAP. , 2018, , .		6
13	Proportional resonant control technique for grid interfacing of multilevel inverter. , 2018, , .		0
14	Electric spring configurations: Comprehensive analysis. , 2018, , .		4
15	Symmetrical Shoot-Through Based Decoupled Control of Z-Source Inverter. IEEE Access, 2017, 5, 11298-11306.	4.2	12
16	Sliding Mode Control of Single-Phase Grid-Connected Quasi-Z-Source Inverter. IEEE Access, 2017, 5, 10232-10240.	4.2	51
17	Five-Level Diode Clamped Multilevel Inverter (DCMLI) Based Electric Spring for Smart Grid Applications. Energy Procedia, 2017, 117, 862-869.	1.8	19
18	Current Control Of Grid Tied Inverter through SHEPWM Method. Energy Procedia, 2017, 117, 643-650.	1.8	2

#	Article	IF	Citations
19	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
20	Zero Direct-axis Current (ZDC) Control for Variable Speed Wind Energy Conversion System using PMSG. Energy Procedia, 2017, 117, 943-950.	1.8	6
21	Cascaded multilevel inverter based electric spring for smart grid applications. , 2017, , .		8
22	Five-level NPC/H-bridge MLI based electric spring for harmonic reduction and voltage regulation. , 2017, , .		5
23	Power quality improvement of a non-stiff system using DSTATCOM with state feedback switching control. , 2017, , .		1
24	Analysis of active power sharing and synchronization in MuitiDG micro grid. , 2017, , .		0
25	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
26	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
27	Investigation of dynamic performance of grid connected Z-source inverter based distributed generation. , 2016, , .		0
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	Solar PV emulator for realizing PV characteristics under rapidly varying environmental conditions. , 2016, , .		15
31	Ant Colony Optimization applied to selective harmonic elimination in Multilevel inverters. , 2016, , .		6
32	A new capacitor balancing scheme applied to three level flying capacitor inverter based distribution static compensator. , 2016, , .		1
33	Reliability evaluation of BLDC drive in refrigeration systems. , 2016, , .		2
34	Ripple free deadbeat control of DC-DC buck converter for distributed generators. , 2016, , .		1
35	Modified instantaneous p-q theory for single phase DVR for mitigation of voltage sag in case of nonlinear load. , 2016, , .		3
36	Nearly constant switching frequency hysteresisâ€based predictive control for distributed static compensator applications. IET Power Electronics, 2016, 9, 2174-2185.	2.1	9

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37	Harmonic analysis of grid connected Z-source inverter under variable load/input conditions. , 2016, , .		0
38	Positive sequence ISCT based distribution static compensator for non-stiff source using state feedback control. , 2016, , .		3
39	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
40	Hysteresis based predictive control for DSTATCOM application. , 2015, , .		2
41	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
42	Analysis of conventional inverter topologies for High voltage distribution system in shunt applications. , 2015, , .		3
43	A new DSTATCOM topology using hybrid renewable energy based dc-link VSI for power quality applications. , 2015, , .		1
44	Integrated three-level NPC based DSTATCOM topology using MISCT control algorithm for load compensation with non-stiff source. , 2015, , .		2
45	Open loop and closed loop control schemes for capacitor voltage equalization in DSTATCOM application. , 2014, , .		1
46	Particle Swarm Optimization based Distribution Static Compensator for load compensation. , 2014, , .		2
47	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
48	Control of D-STATCOM under unbalanced and distorted voltages using Synchronous Detection method for load compensation. , 2014, , .		8
49	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
50	Harmonic compensation in distribution system using 3-level NPC VSI based hybrid filter. , 2013, , .		0
51	Modeling of split capacitor based dstatcom &amp; voltage balancing scheme for load compensation. , 2013, , .		8
52	Analysis of Conventional Inverter Topologies in Shunt Applications for Unbalanced and Non-linear Loads. , 2013, , .		1
53	Voltage sag mitigation using multilevel inverter based distribution static compensator (DSTATCOM) in low voltage distribution system. , 2012, , .		0
54	Reactive power compensation of wind energy distribution system using Distribution Static Compensator (DSTATCOM). , 2012, , .		7

#	Article	IF	Citations
55	Synchronization of Synchronous Generator and Induction Generator for Voltage. , 2010, , .		4
56	Review of Parallel Operation of Synchronous Generator and Induction Generator for Stability. , 2009, , .		5