

Woei-Luen Chen

List of Publications by Year in descending order

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all docs

34
docs citations

34
times ranked

378
citing authors

#	ARTICLE	IF	CITATIONS
1	Controller Design for an Induction Generator Driven by a Variable-Speed Wind Turbine. IEEE Transactions on Energy Conversion, 2006, 21, 625-635.	5.2	104
2	STATCOM Controls for a Self-Excited Induction Generator Feeding Random Loads. IEEE Transactions on Power Delivery, 2008, 23, 2207-2215.	4.3	49
3	One-Dimensional Optimization for Proportional-Resonant Controller Design Against the Change in Source Impedance and Solar Irradiation in PV Systems. IEEE Transactions on Industrial Electronics, 2014, 61, 1845-1854.	7.9	45
4	Design of a Mode Decoupling STATCOM for Voltage Control of Wind-Driven Induction Generator Systems. IEEE Transactions on Power Delivery, 2010, 25, 1758-1767.	4.3	28
5	Optimal charge equalisation control for series-connected batteries. IET Generation, Transmission and Distribution, 2013, 7, 843-854.	2.5	28
6	An Analytical Approach to Maximum Power Tracking and Loss Minimization of a Doubly Fed Induction Generator Considering Core Loss. IEEE Transactions on Energy Conversion, 2012, 27, 449-456.	5.2	27
7	Optimal Balancing Control for Tracking Theoretical Global MPP of Series PV Modules Subject to Partial Shading. IEEE Transactions on Industrial Electronics, 2015, 62, 4837-4848.	7.9	26
8	Direct output voltage control of a static synchronous compensator using current sensorless d-q vector-based power balancing scheme. , 0, , .		25
9	Active Voltage and Frequency Regulator Design for a Wind-Driven Induction Generator to Alleviate Transient Impacts on Power Grid. IEEE Transactions on Industrial Electronics, 2012, , 1-1.	7.9	14
10	Patient-driven loop control for ambulation function restoration in a non-invasive functional electrical stimulation system. Disability and Rehabilitation, 2010, 32, 65-71.	1.8	10
11	Experimental evaluation of an isolated induction generator with voltage and frequency control. , 0, , .		8
12	Design of an FPGA-based space vector PWM generator for three-phase voltage-sourced inverters. , 2008, , .		7
13	Control and Performance Analysis for a Capacitor-coordinated Static Synchronous Compensator to Enhance Dynamic Compensation Capability. Electric Power Components and Systems, 2011, 39, 991-1006.	1.8	7
14	A novel active voltage and frequency regulator to improve grid disconnection transients of self-excited induction generator system. , 0, , .		6
15	Harmonic Suppression and Performance Improvement for a Small-scale Grid-tied Wind Turbine Using Proportional-Resonant Controllers. Electric Power Components and Systems, 2015, 43, 970-981.	1.8	6
16	Voltage Modulation and Current Control of Boost Inverters for Stand-Alone or Grid-Tied Operation. IEEE Transactions on Power Electronics, 2020, 35, 8726-8736.	7.9	6
17	Derivation and verification of a vector controller for induction machines with consideration of stator and rotor core losses. IET Electric Power Applications, 2018, 12, 1-11.	1.8	5
18	A simple approach to the realization of an FPGA-based harmonic elimination PWM generator. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
19	Systematic Approach to Synthesize a Static Synchronous Compensator Controller Using Eigenstructure Assignment. <i>Electric Power Components and Systems</i> , 2011, 39, 1191-1211.	1.8	4
20	Control Design of a Dynamic Voltage Restorer for Wind-Driven Induction Generators during a Low Voltage Fault at Grid Bus. <i>Electric Power Components and Systems</i> , 2014, 42, 1553-1564.	1.8	4
21	Coupled inductance design for grid-connected photovoltaic inverters. <i>IET Power Electronics</i> , 2015, 8, 2204-2213.	2.1	4
22	Ambulation study of a woman with paraplegia using a reciprocating gait orthosis with functional electrical stimulation in Taiwan: A case report. <i>Disability and Rehabilitation: Assistive Technology</i> , 2009, 4, 429-438.	2.2	3
23	Design of an Energy-saving Charge Equalization System. <i>Electric Power Components and Systems</i> , 2011, 39, 1632-1646.	1.8	3
24	Instantaneous Current Distributing Control Collaborated with Voltage to Neutral Equalization for Grid-Tied Single-Phase Three-Wire Inverters. , 2018, , .		3
25	Negative-Sequence Active and Reactive Currents Compensation for Unbalanced Three-Phase Networks Subject to Various Line Impedance Attributes. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022, 10, 2528-2538.	5.4	2
26	Control design and experimental investigation for a current sensorless STATCOM. , 2007, , .		1
27	Dynamic symmetrical components analysis and compensation for unbalanced distribution systems. , 2015, , .		1
28	Design of dynamic voltage restorer and active power filter for wind power systems subject to unbalanced and harmonic distorted grid. , 2016, , .		1
29	Solutions to Reduce Leakage Current and Extend the Operating Range of Power Factor for a Single-Phase Full-Bridge Inverter with DC Bypass. <i>Electric Power Components and Systems</i> , 2019, 47, 1116-1131.	1.8	1
30	Cascadable Dual-Buck Multilevel Inverter Modules with Autonomous DC Capacitor Voltage Balance. , 2020, , .		1
31	Active Power Control of Grid-Tied Squirrel-Cage Induction Generators Under Subsynchronous Mode. , 2021, , .		1
32	Design of a gain scheduling photovoltaic energy conversion system. , 2009, , .		0
33	A novel gain scheduling application for voltage-sourced inverters control based on internal model principle. , 2012, , .		0
34	Design and control of a 10kw three-phase grid-tied back to back inverter. , 2017, , .		0