

Tae-Won Chun

List of Publications by Year in descending order

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59
papers

1,138
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933447

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docs citations

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times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	Extended Boost Active-Switched-Capacitor/Switched-Inductor Quasi-Z-Source Inverters. IEEE Transactions on Power Electronics, 2015, 30, 5681-5690.	7.9	169
2	PLL-Based Seamless Transfer Control Between Grid-Connected and Islanding Modes in Grid-Connected Inverters. IEEE Transactions on Power Electronics, 2014, 29, 5218-5228.	7.9	157
3	Algorithms for Controlling Both the DC Boost and AC Output Voltage of Z-Source Inverter. IEEE Transactions on Industrial Electronics, 2007, 54, 2745-2750.	7.9	153
4	Sensorless Control of BLDC Motor Drive for an Automotive Fuel Pump Using a Hysteresis Comparator. IEEE Transactions on Power Electronics, 2014, 29, 1382-1391.	7.9	136
5	Input Power Factor Compensation Algorithms Using a New Direct-SVM Method for Matrix Converter. IEEE Transactions on Industrial Electronics, 2011, 58, 232-243.	7.9	132
6	Single-Phase Modified Quasi-Z-Source Cascaded Hybrid Five-Level Inverter. IEEE Transactions on Industrial Electronics, 2018, 65, 5125-5134.	7.9	73
7	A Novel Strategy of Efficiency Control for a Linear Compressor System Driven by a PWM Inverter. IEEE Transactions on Industrial Electronics, 2008, 55, 296-301.	7.9	65
8	Topology and Modulation Scheme for Three-Phase Three-Level Modified Z-Source Neutral-Point-Clamped Inverter. IEEE Transactions on Power Electronics, 2019, 34, 11014-11025.	7.9	27
9	AC Output Voltage Control with Minimization of Voltage Stress Across Devices in the Z-Source Inverter Using Modified SVPWM. , 0, , .		18
10	A novel method of common-mode voltage reduction in matrix converters. International Journal of Electronics, 2012, 99, 1-14.	1.4	16
11	A novel startup scheme of stator-flux-oriented vector-controlled induction motor drive without torque jerk. IEEE Transactions on Industry Applications, 2003, 39, 776-782.	4.9	15
12	Method of estimating precise piston stroke of linear compressor driven by PWM inverter. , 2014, , .		14
13	Active switched quasi-Z-source inverter with high-boost ability for low-voltage renewable energy sources. , 2015, , .		14
14	Topology of modified switched-capacitor Z-source inverters with improved boost capability. , 2017, , .		13
15	Embedded quasi-Z-source inverters based on active switched-capacitor structure. , 2016, , .		12
16	Algorithms for controlling both the DC boost and AC output voltage of the Z-source inverter. , 2005, , .		10
17	Current Loop Control with Admittance Compensation for a Single-Phase Grid-Tie Fuel Cell Power Conditioning System. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	9
18	An investigation on direct space vector modulation methods for matrix converter. , 2009, , .		9

#	ARTICLE	IF	CITATIONS
19	Control for grid-connected and stand-alone operations of three-phase grid-connected inverter. , 2012, , .		9
20	Three-Phase Embedded Modified-Z-Source Three-Level T-Type Inverters. IEEE Access, 2020, 8, 130740-130750.	4.2	9
21	New direct-SVM method for matrix converter with main input power factor compensation. , 2008, , .		6
22	Determination of the optimal battery capacity based on a life time cost function in wind farm. , 2013, , .		6
23	Charging and discharging strategies of grid-connected super-capacitor energy storage systems. , 2018, , .		6
24	Fault tolerant strategy for inverter stage in indirect matrix converter. , 2013, , .		5
25	Seamless control mode transfer of a PCS for islanding mode operation. , 2011, , .		4
26	Active switched-capacitor and switched-inductor Z-source inverters. , 2014, , .		4
27	Induction motor control system using bidirectional quasi-Z source inverter. , 2015, , .		4
28	Switched-Capacitor Embedded Quasi-Z-Source Inverters with Advanced Boosting Capability. , 2019, , .		4
29	Algorithms for Minimizing the Effect of Network Delay of Sensor Data in Network-Based AC Motor Drive. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	3
30	Development of monitoring system for series HEV bus with touch panel. , 2008, , .		3
31	Voltage disturbance generator with phase jump for the test of microgrid. , 2010, , .		3
32	A new current-type magnetically coupled T-source inverter. , 2014, , .		3
33	An improved output short-circuit protection for multilevel PWM rectifier. , 0, , .		2
34	Development of servo motor drive systems for embroidery machines. , 0, , .		2
35	A Variable Gain Control Scheme of Digital Automatic Voltage Regulator for AC Generator. , 2007, , .		2
36	Characteristics of a power quality disturbance generator for the test of microgrid with STS. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
37	Power control and transformer design method of bidirectional DC-DC converter for a hybrid generation system. , 2012, , .		2
38	Improved Current Control of Three-Phase Grid-Connected Inverter Systems Under the Grid Voltage Distortions. , 2013, , .		2
39	Grid current control methods by using compensation voltages under distorted and unbalanced grid voltages. , 2014, , .		2
40	Three-phase Modified Z-source Three-level T-Type Inverters with Continuous Source Current. , 2019, , .		2
41	Improved voltage disturbance generator for the performance test of the custom power devices. , 2007, , .		2
42	A strategy for direct self control of induction machine using space voltage modulation. , 0, , .		1
43	A novel start-up scheme of stator flux oriented vector controlled induction motor drive without torque jerk. , 0, , .		1
44	Method for Implementing Characteristics of Input Sensors in the Simulator of Common Rail Engine ECU. , 2006, , .		1
45	Load independent voltage drop characteristics of a voltage disturbance generator with nonlinear load. , 2009, , .		1
46	Power control of a combined system with fuel cell and supercapacitor. , 2011, , .		1
47	Power quality disturbance generator suitable for high power applications. , 2013, , .		1
48	Analysis and control of single-phase Z-source multilevel inverter. , 2015, , .		1
49	A hybrid energy storage system for transient load and its multiple operation in DC microgrid. , 2018, , .		1
50	Temperature and Voltage Control Methods of Power Regulators Based on Inverter for Heat Treatment. , 2019, , .		1
51	Fast scanning method for container stacking profile with one laser sensor. , 0, , .		0
52	A novel DTC-SVM method using matrix converter fed induction motor. , 2009, , .		0
53	Analysis of STS fault current with minimization method of STS turn off delay time. , 2011, , .		0
54	An enhanced control algorithm for stand-alone DFIG system feeding unbalanced loads with reduced current sensors. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	PCC voltage analysis of a hybrid generating system in case of utility side fault. , 2012, , .		0
56	Switching loss minimization of 3-phase interleaved bidirectional DC-DC converter. , 2014, , .		0
57	Output voltage characteristics analysis of a power quality disturbance generator suitable for high power applications. , 2016, , .		0
58	A second-order generalized differentiator method for eliminating DC component in the three-phase PLL for grid-connected inverters. , 2017, , .		0
59	A Single-Phase Symmetrical Embedded Modified-Quasi-Z-Source Hybrid Three-Level Inverter. , 2018, , .		0