

Younghoon Cho

List of Publications by Year in descending order

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57
papers

769
citations

933264

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26
g-index

60
all docs

60
docs citations

60
times ranked

990
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Analysis of an MPPT Technique for Small-Scale Wind Energy Conversion Systems. IEEE Transactions on Energy Conversion, 2013, 28, 756-767.	3.7	189
2	A Three-Phase Current Reconstruction Strategy With Online Current Offset Compensation Using a Single Current Sensor. IEEE Transactions on Industrial Electronics, 2012, 59, 2924-2933.	5.2	118
3	Digital Plug-In Repetitive Controller for Single-Phase Bridgeless PFC Converters. IEEE Transactions on Power Electronics, 2013, 28, 165-175.	5.4	99
4	A Carrier-Based Neutral Voltage Modulation Strategy for Multilevel Cascaded Inverters Under Unbalanced DC Sources. IEEE Transactions on Industrial Electronics, 2014, 61, 625-636.	5.2	68
5	Effects of Grain Boundary Density on the Gas Sensing Properties of Triethylsilylethynyl-Anthradithiophene Field-Effect Transistors. Advanced Materials Interfaces, 2018, 5, 1701399.	1.9	39
6	Dual-buck residential photovoltaic inverter with a high-accuracy repetitive current controller. Renewable Energy, 2017, 101, 168-181.	4.3	23
7	Performance Comparison Between Two-Level and Three-Level SiC-Based VFD Applications With Output Filters. IEEE Transactions on Industry Applications, 2019, 55, 4770-4779.	3.3	17
8	Single-phase single-stage dual-buck photovoltaic inverter with active power decoupling strategy. Renewable Energy, 2018, 126, 454-464.	4.3	16
9	Enhanced vector tracking observer for rotor position estimation for PMSM drives with low resolution Hall-Effect position sensors. , 2013, , .		13
10	Average Periodic Delay-Based Frequency Adaptable Repetitive Control With a Fixed Sampling Rate and Memory of Single-Phase PFC Converters. IEEE Transactions on Power Electronics, 2021, 36, 6572-6585.	5.4	12
11	Highly isolated power supply design for gate drivers of the solid state transformer. , 2017, , .		10
12	Active Hybrid Solid State Transformer Based on Multi-Level Converter Using SiC MOSFET. Energies, 2019, 12, 66.	1.6	10
13	Reliability-based robust design optimization for torque ripple reduction considering manufacturing uncertainty of interior permanent magnet synchronous motor. Journal of Mechanical Science and Technology, 2020, 34, 1249-1256.	0.7	9
14	Application of the Rogowski Coil Current Sensor for Overcurrent Detection and Blocking in Power Conversion Systems. , 2019, , .		9
15	Current-balancing strategy for multileg interleaved DC/DC converters of electric-vehicle chargers. Journal of Power Electronics, 2021, 21, 94-102.	0.9	8
16	Improved Sensorless Control of Interior Permanent Magnet Sensorless Motors Using an Active Damping Control Strategy. Energies, 2016, 9, 135.	1.6	7
17	A Single-Loop Repetitive Voltage Controller with an Active Damping Control Technique. Energies, 2017, 10, 673.	1.6	7
18	Deadbeat predictive direct power control of interleaved buck converter-based fast battery chargers for electric vehicles. Journal of Power Electronics, 2020, 20, 1162-1171.	0.9	7

#	ARTICLE	IF	CITATIONS
19	Z-domain modeling and control design of single-switch bridgeless SEPIC PFC converter with damping circuit. , 2013, , .		6
20	Design and Control of a 13.2 kV/10 kVA Single-Phase Solid-State-Transformer with 1.7 kV SiC Devices. Energies, 2018, 11, 201.	1.6	6
21	Design and Analysis of a Repetitive Current Controller for a Single-Phase Bridgeless SEPIC PFC Converter. Energies, 2019, 12, 131.	1.6	6
22	Novel Dead-Time Compensation Strategy for Wide Current Range in a Three-Phase Inverter. Electronics (Switzerland), 2019, 8, 92.	1.8	6
23	A Harmonic Voltage Injection Based DC-Link Imbalance Compensation Technique for Single-Phase Three-Level Neutral-Point-Clamped (NPC) Inverters. Energies, 2018, 11, 1886.	1.6	5
24	Imbalance Reduction of Three-phase Line Current Using Reactive Power Injection of the Distributed Static Series Compensator. Journal of Electrical Engineering and Technology, 2019, 14, 1017-1025.	1.2	5
25	Active Gate Control method for Voltage Balancing of Series-Connected SiC MOSFETs. , 2019, , .		5
26	Improved Voltage Control Scheme for Single-Phase UPS Inverter with Repetitive Current Controller. , 2019, , .		5
27	Analysis and Design of a Sine Wave Filter for GaN-Based Low-Voltage Variable Frequency Drives. Electronics (Switzerland), 2020, 9, 345.	1.8	5
28	A digital single-loop control of multi-phase dc-dc converter for fuel cell powered truck auxiliary power unit. , 2011, , .		4
29	Multi-branch current sensing technique for three-phase current reconstruction with non-contact type current sensor. Electronics Letters, 2014, 50, 391-393.	0.5	4
30	GaN-based Matrix Converter Design with Output Filters for Motor Friendly Drive System. Energies, 2020, 13, 971.	1.6	4
31	Neutral section passing strategy preventing inrush current for electric railway solid-state transformers. Journal of Power Electronics, 2021, 21, 1135-1143.	0.9	4
32	A high-efficiency variable modulation strategy for a dual-active-bridge converter with a wide operating range. , 2015, , .		3
33	Synchronous Reference Frame Repetitive Control of a Single-Phase Three-Level Dual-Buck Photovoltaic Inverter. Electronics (Switzerland), 2018, 7, 226.	1.8	3
34	DC-Link Capacitor Voltage Imbalance Compensation Method Based Injecting Harmonic Voltage for Cascaded Multi-Module Neutral Point Clamped Inverter. Electronics (Switzerland), 2019, 8, 155.	1.8	3
35	Design Considerations of Series-Connected Devices Based LLC Converter. Energies, 2020, 13, 264.	1.6	3
36	Modulated model predictive current control of HERIC AFE converter equipped with LCL filter. Journal of Power Electronics, 2022, 22, 151-161.	0.9	3

#	ARTICLE	IF	CITATIONS
37	A smooth transition method between position sensorless control algorithms of PM machines. , 2011, , .		2
38	Standalone ESS modeling and dual-loop control using Zn-Br Redox flow battery. , 2014, , .		2
39	A modular power conversion system for zinc-bromine flow battery based energy storage system. , 2015, , .		2
40	Performance Comparison Between Two-Level and Three-Level SiC-Based VFD Applications with Output Filters. , 2018, , .		2
41	Hybrid PWM Strategy for Power Efficiency Improvement of 5-Level TNPC Inverter and Current Distortion Compensation Method. Electronics (Switzerland), 2019, 8, 76.	1.8	2
42	Impact of snubber parameters on voltage sharing in series-connected insulated gate bipolar transistors. Journal of Power Electronics, 2020, 20, 1002-1014.	0.9	2
43	Performance evaluation of GaN FET-based matrix converters with dv/dt filters for variable frequency drive applications. Journal of Power Electronics, 2020, 20, 844-853.	0.9	2
44	Improved neutral shift method for fault tolerant operation of three phase MLCI. Journal of Power Electronics, 2021, 21, 49-58.	0.9	2
45	Highly isolated switching mode power supply for solid-state transformers in railway vehicles. Journal of Power Electronics, 2021, 21, 625-633.	0.9	2
46	Neutral Voltage Modulation for Maximizing the Linear Modulation Region and Limp-Home Mode Operation of Multilevel Cascaded Inverters Under DC-Link Imbalance Conditions. IEEE Access, 2022, 10, 13515-13524.	2.6	2
47	Performance Improvement of Dual-Buck Inverter With Mitigating Reverse Recovery Characteristics and Supporting Reactive Power. IEEE Access, 2022, 10, 36802-36812.	2.6	2
48	Current Balancing of Interleaved Boost PFC Converter with Auxiliary Winding Coupled Inductor. , 2022, , .		2
49	A carrier-based pwm method with the double frequency voltage injection for three-level neutral-point clamped (NPC) converters. , 2017, , .		1
50	PCC Voltage Compensation of PV Inverter with Active Power Decoupling Circuit. , 2018, , .		1
51	Average Current Sharing Control Strategy for Parallel Operation of UPS with Low Bandwidth Communication. , 2019, , .		1
52	A Current Reconstruction at Parallel Three Phase Inverters Using Two Current Sensors. Electronics (Switzerland), 2019, 8, 179.	1.8	1
53	Unidirectional Vienna Converter Design Based On Series-Connected Component. , 2019, , .		0
54	Multi-loop voltage control strategy of half-bridge voltage balancers with current sensorless scheme. Journal of Power Electronics, 2020, 20, 1015-1024.	0.9	0

#	ARTICLE	IF	CITATIONS
55	Simple current control without grid voltage sensor for traction solid-state transformer. Journal of Power Electronics, 2021, 21, 703-712.	0.9	0
56	Design of Coupled Inductor Considering Saturation of Core by Leakage Inductance for a 100kW Interleaved Inverter. , 2019, , .		0
57	A Study on the Bipolar DC-DC Converter of SST for LVDC Distribution. , 2019, , .		0