

Jun Hyung Jung

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,205
citations

10
h-index

34
g-index

66
ext. papers

1,587
ext. citations

3.8
avg, IF

4.63
L-index

#	Paper	IF	Citations
52	Circulating Current Control in MMC Under the Unbalanced Voltage. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 1952-1959	4.3	217
51	Dead Time Compensation Method for Voltage-Fed PWM Inverter. <i>IEEE Transactions on Energy Conversion</i> , 2010 , 25, 1-10	5.4	198
50	Model Predictive Control With a Reduced Number of Considered States in a Modular Multilevel Converter for HVDC System. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 608-617	4.3	129
49	Development of Hardware In-the-Loop Simulation System for Testing Operation and Control Functions of Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2919-2929	7.2	124
48	Fault Diagnosis of DC-Link Capacitors in Three-Phase AC/DC PWM Converters by Online Estimation of Equivalent Series Resistance. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 4118-4127	8.9	107
47	A Control Method of HVDC-Modular Multilevel Converter Based on Arm Current Under the Unbalanced Voltage Condition. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 529-536	4.3	93
46	DC Offset Error Compensation for Synchronous Reference Frame PLL in Single-Phase Grid-Connected Converters. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3467-3471	7.2	73
45	Diagnosis and Fault-Tolerant Control of Three-Phase AC/DC PWM Converter Systems. <i>IEEE Transactions on Industry Applications</i> , 2013 , 49, 1539-1547	4.3	64
44	Distributed Digital Control of Modular-Based Solid-State Transformer Using DSP+FPGA. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 670-680	8.9	45
43	Sensorless control of PMSM in high speed range with iterative sliding mode observer		18
42	A Common-Mode Voltage Reduction Method Using an Active Power Filter for a Three-Phase Three-Level NPC PWM Converter. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 3787-3800	4.3	10
41	Open-Switch Fault Diagnosis Algorithm and Tolerant Control Method of the Three-Phase Three-Level NPC Active Rectifier. <i>Energies</i> , 2019 , 12, 2495	3.1	9
40	Multiple open-switch faults detection and faults tolerant method of three-level three-phase NPC active rectifier 2013 ,		8
39	A Trapezoidal Velocity Profile Generator for Position Control Using a Feedback Strategy. <i>Energies</i> , 2019 , 12, 1222	3.1	6
38	A Current Reconstruction Strategy Following the Operation Area in a 1-Shunt Inverter System. <i>Energies</i> , 2019 , 12, 1423	3.1	5
37	Feedback linearization control of Doubly-fed induction generator under an unbalanced voltage 2011 ,		5
36	Modified TSF for the high speed Switched Reluctance Motor 2011 ,		5

35	Detection of shorted-turns in the rotor winding of cylindrical synchronous generators using discrete wavelet transform		5
34	Expansion of Operating Speed Range of High-Speed BLDC Motor Using Hybrid PWM Switching Method Considering Dead Time. <i>Energies</i> , 2020 , 13, 5212	3.1	5
33	DC-link voltage stabilization and source THD improvement using d-axis current injection in reduced DC-link capacitor system 2016 ,		5
32	Compensation of Arm Current Sensor Errors in Modular Multilevel Converter. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 5005-5012	4.3	4
31	Fault-tolerant control strategy for open-circuit fault of two-parallel-connected three-phase ACDC two-level PWM converter. <i>Journal of Power Electronics</i> , 2020 , 20, 731-742	0.9	4
30	A Carrier-Based PWM Control Strategy for Three-Level NPC Inverter Based on Bootstrap Gate Drive Circuit. <i>IEEE Transactions on Power Electronics</i> , 2019 , 1-1	7.2	4
29	New three-phase on-board battery charger without electrolytic capacitor for PHEV application 2013 ,		4
28	Fault tolerant control strategy of 3-phase AC-DC PWM converter under multiple open-switch faults conditions 2012 ,		4
27	Vector control of multiple-module transverse flux PM generator for large-scale direct-drive wind turbines 2011 ,		4
26	Diminution of current measurement error for vector controlled AC motor drives 2005 ,		4
25	Automatic advance angle control algorithm using anti-windup feedback voltage of PI current controller for wide range speed operation of BLDCM 2018 ,		3
24	A PWM control strategy for low-speed operation of three-level NPC inverter based on bootstrap gate drive circuit 2014 ,		3
23	Novel phase advance method of BLDC motors for wide range speed operations 2013 ,		3
22	Efficiency improvement by changeover of phase windings of multiphase permanent magnet synchronous motor with outer-rotor type 2010 ,		3
21	Hybrid PWM Control for Regulating the High-Speed Operation of BLDC Motors and Expanding the Current Sensing Range of DC-link Single-Shunt. <i>Energies</i> , 2019 , 12, 4347	3.1	3
20	Speed Control for Turbine-Generator of ORC Power Generation System and Experimental Implementation. <i>Energies</i> , 2019 , 12, 200	3.1	2
19	Control of independent multi-phase transverse flux linear synchronous motor based on magnetic levitation 2014 ,		2
18	Fault tolerant control of three phase 2-parallel AC/DC PWM converter systems 2017 ,		2

17	Fault tolerant control methods of dual type independent multi-phase BLDC motor under open-switch fault conditions 2012 ,		2
16	DC voltage balancing control of half-bridge PWM inverter for linear compressor 2012 ,		2
15	Compensation of current measurement error in half-bridge PWM inverter for linear compressor 2013 ,		2
14	Soft Start-Up Control Strategy for Dual Active Bridge Converter with a Supercapacitor. <i>Energies</i> , 2020 , 13, 4083	3.1	2
13	A Study on Common Mode Voltage Reduction Strategies According to Modulation Methods in Modular Multilevel Converter. <i>Energies</i> , 2021 , 14, 1607	3.1	2
12	Active Common-mode Voltage Cancellation using Fourth-leg of Three-Level NPC Converter based on IGBT for High Voltage Operation 2019 ,		1
11	Diagnosis of the open-circuit fault in three-parallel voltage-source converter for a high-power wind turbine 2011 ,		1
10	Compensation of amplitude imbalance of resolver signal for PMSM drives 2009 ,		1
9	A study on the optimum phase advance angle of high speed operation for 7 phase BLDC motor drives 2009 ,		1
8	Optimized Modulation Method for Common-Mode Voltage Reduction in H7 Inverter. <i>Energies</i> , 2021 , 14, 6409	3.1	1
7	Current measurement and control method of HVAC integration systems through DC link single current sensor. <i>Journal of Power Electronics</i> , 2020 , 20, 1243-1249	0.9	1
6	Maximum efficiency control method in 7-phase BLDC motor by changing the number of the excited phase windings 2016 ,		1
5	Common Mode Voltage Reduction Method for H7 Inverter Using DPWM Offset Based Modulation Technique 2018 ,		1
4	DC-Link Voltage Stabilization Using d-Axis Current Injection for SPMSM Driver with Small DC-Link Capacitance. <i>Journal of Electrical Engineering and Technology</i> , 2019 , 14, 1597-1606	1.4	0
3	Effective algorithms of a power converter for tidal current power generation system. <i>Journal of Power Electronics</i> , 2020 , 20, 823-833	0.9	0
2	Improved Position Control for an EGR Valve System with Low Control Frequency. <i>Energies</i> , 2020 , 13, 457	3.1	
1	Phase Current Measurement Method of Dual Inverter-Motor Drive System Using a Single DC Link Current Sensor. <i>Energies</i> , 2021 , 14, 5626	3.1	