

Hag-Wone Kim

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Interleaving Methods of Parallel Connected Three-Level Bi-Directional Converters. Energies, 2022, 15, 6.	3.1	2
2	Sensorless Control of a Surface Mounted PM Synchronous Motor in Over Modulation Regions by Detecting Phase Voltages. The Transactions of the Korean Institute of Power Electronics, 2017, 22, 53-59.	0.1	0
3	Power loss minimization of common-mode noise reduced single-phase inverter by power device combination. , 2016, , .		0
4	Sensorless control of a PM synchronous motor in over modulation regions for high speed operation. , 2016, , .		1
5	Unbalance weight detection in washing machine using band pass filter with variable center frequency. , 2016, , .		0
6	A common-mode voltage reduction PWM method for three-phase unidirectional rectifier. , 2016, , .		0
7	Molecular Dynamics Simulation Study on Bucky Shuttle Encapsulated in Partially Side-Opened Carbon Nanotube. Journal of Computational and Theoretical Nanoscience, 2016, 13, 909-915.	0.4	0
8	A Speed Control for the Reduction of the Shift Shocks in Electric Vehicles with a Two-Speed AMT. Journal of Power Electronics, 2016, 16, 1355-1366.	1.5	9
9	A Switching Method of Single Phase Grid Connected Inverter for Common Mode Noise Reduction. The Transactions of the Korean Institute of Power Electronics, 2016, 21, 27-33.	0.1	1
10	Carrier Comparison PWM Method of Vienna Rectifier for Reduction of Common Mode Voltage. The Transactions of the Korean Institute of Power Electronics, 2016, 21, 126-133.	0.1	4
11	Inverter Losses Reduction for Rectangular Drive BLDCM using Synchronous Rectification. The Transactions of the Korean Institute of Power Electronics, 2016, 21, 117-125.	0.1	0
12	Grid Connected Inverter of ESS for Seamless mode Transition. The Transactions of the Korean Institute of Power Electronics, 2016, 21, 364-372.	0.1	0
13	Analysis of the efficiency characteristics of an LLC resonant converter having a current doubler rectification circuit. , 2015, , .		4
14	Braking algorithm considering voltage limit condition for surface mounted PM synchronous motor. , 2015, , .		3
15	Stationary frame voltage controller of single-phase inverter for seamless transition. , 2015, , .		1
16	Torque ripple reduction of PM synchronous motor for wide speed operating ranges. , 2015, , .		5
17	Torque ripple reduction of an interior PM synchronous motor for electronic power steering. , 2015, , .		3
18	Torque Ripple Reduction Algorithm of PM Synchronous Motor at High Speed Operation. The Transactions of the Korean Institute of Power Electronics, 2015, 20, 429-436.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Stationary Reference Frame Voltage Controller for Single Phase Grid Connected Inverter for Stand Alone Mode. The Transactions of the Korean Institute of Power Electronics, 2015, 20, 517-525.	0.1	0
20	Dead time compensation using MRAS observer for a permanent magnet synchronous motor. , 2014, , .		2
21	Analysis of LLC resonant converter with current-doubler rectification circuit. , 2014, , .		13
22	Energy exchange between vibration modes of a graphene nanoflake oscillator: Molecular dynamics study. Current Applied Physics, 2014, 14, 237-244.	2.4	7
23	Post-fault operation of open-circuit fault in three-phase PWM converter. , 2014, , .		4
24	Input Voltage Sensorless Control for 3 Phase Vienna Rectifier. The Transactions of the Korean Institute of Power Electronics, 2014, 19, 71-79.	0.1	0
25	A Study on LLCL Filter to Reduce Harmonic Current of Grid Connected Power Inverter. The Transactions of the Korean Institute of Power Electronics, 2014, 19, 64-70.	0.1	1
26	Mathematical Analysis of LLC Series Resonant Converter with Current Doubler Rectifier using Coupled Inductor. The Transactions of the Korean Institute of Power Electronics, 2014, 19, 440-449.	0.1	1
27	Molecular dynamics modeling and simulation of a graphene-based nanoelectromechanical resonator. Current Applied Physics, 2013, 13, 789-794.	2.4	39
28	An MRAS-Based Diagnosis of Open-Circuit Fault in PWM Voltage-Source Inverters for PM Synchronous Motor Drive Systems. IEEE Transactions on Power Electronics, 2013, 28, 2514-2526.	7.9	277
29	Position control Of BLDC motor with modified bipolar PWM for clutch system Of PHEV. , 2013, , .		1
30	Initial rotor position detecting algorithm of PM synchronous motor using incremental encoder. , 2013, , .		2
31	Active damping of LCL filter without capacitor voltage sensors for three phase PWM inverter. , 2013, , .		1
32	Coupled Inductor Buck-Boost Converter for Driving an Organic Light-Emitting Diode Lighting System. Journal of Computational and Theoretical Nanoscience, 2013, 10, 1749-1754.	0.4	0
33	Active Damping of LCL Filter for Three-phase PWM Inverter without Additional Hardware Sensors. The Transactions of the Korean Institute of Power Electronics, 2013, 18, 10-17.	0.1	3
34	Torque Ripple Reduction based on Flux Linkage Harmonics Observer for an Interior PM Synchronous Motor including Back EMF Harmonics. The Transactions of the Korean Institute of Power Electronics, 2013, 18, 367-375.	0.1	4
35	Initial Rotor Position Detection a PM Synchronous Motor and Speed Control of an Elevator Door. The Transactions of the Korean Institute of Power Electronics, 2013, 18, 556-564.	0.1	0
36	An Output Control Algorithm for Phase Shift Full Bridge Converter for Ballast Water Treatment. The Transactions of the Korean Institute of Power Electronics, 2013, 18, 530-539.	0.1	0

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37	Real Time Simulator for a Permanent Magnet Synchronous Motor with Power Converter. Journal of the Korean Institute of Illuminating and Electrical Installation Engineers, 2013, 27, 114-124.	0.0	0
38	Sensorless Speed Control and Starting Algorithm using Current Control of SPM Synchronous Motor. The Transactions of the Korean Institute of Power Electronics, 2013, 18, 523-529.	0.1	1
39	Design and Analysis of Position Tracking Observer Based on Instantaneous Power for Sensorless Drive of Permanent Magnet Synchronous Motor. IEEE Transactions on Power Electronics, 2012, 27, 2585-2594.	7.9	13
40	120Hz output voltage ripple reduction of LLC resonant converter using resonant controller. , 2012, , .		3
41	A carrier comparison PWM method for reducing input current THD of three-phase PWM rectifier. , 2012, , .		4
42	Position Controller for Clutch Drive System of PHEV(Plug in Hybrid Electric Vehicle). The Transactions of the Korean Institute of Power Electronics, 2012, 17, 166-173.	0.1	2
43	A single-carrier comparison PWM for Voltage Control of Vienna Rectifier. The Transactions of the Korean Institute of Power Electronics, 2012, 17, 129-134.	0.1	4
44	Switch Open Fault Detection and Tolerant Operation Method for Three Phase PWM Rectifier. The Transactions of the Korean Institute of Power Electronics, 2012, 17, 266-273.	0.1	2
45	A Study on 120Hz Output Voltage Ripple Reduction of LLC Converter using Resonant Controller. The Transactions of the Korean Institute of Power Electronics, 2012, 17, 345-352.	0.1	1
46	Design of LLC Resonant Converter having Enhanced Load Range for Communication Power. The Transactions of the Korean Institute of Power Electronics, 2012, 17, 461-469.	0.1	4
47	PWM Method with Low d-axis Current Ripple for reducing Input Current THD at Light Loads in Three Phase PWM Rectifier. The Transactions of the Korean Institute of Power Electronics, 2012, 17, 478-485.	0.1	0
48	Single carrier wave comparison PWM for Vienna rectifier and consideration for DC-link voltage unbalance of offset voltage effects. , 2011, , .		3
49	An MRAS based current harmonics reduction for three phase PWM rectifier under input voltage distortion. , 2011, , .		3
50	Design and analysis of position estimator based on instantaneous power for sensorless drive of permanent magnet synchronous motor. , 2011, , .		0
51	Novel PWM Method with Low Ripple Current for Position Control Applications of BLDC Motors. Journal of Power Electronics, 2011, 11, 726-733.	1.5	13
52	The Control Method of In-Wheel PMSM for Electric Scooter using Speed Observer. The Transactions of the Korean Institute of Power Electronics, 2011, 16, 130-136.	0.1	0
53	IP Voltage Controller of Three-phase PWM Converter for Power Supply of Communication System. Journal of the Korea Academia-Industrial Cooperation Society, 2011, 12, 2722-2728.	0.1	0
54	Carrier Comparison PWM for Voltage Control of Vienna Rectifier. Journal of the Korea Academia-Industrial Cooperation Society, 2011, 12, 4561-4568.	0.1	1

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55	A Current Controller with the Compensation of the Input Voltage Unbalance and Distortion for Three Phase PWM Rectifier. The Transactions of the Korean Institute of Power Electronics, 2011, 16, 594-601.	0.1	3
56	Torque Ripple Reduction of a PM Synchronous Motor for Electric Power Steering using a Low Resolution Position Sensor. Journal of Power Electronics, 2010, 10, 709-716.	1.5	15
57	Accelerated Life Test of In-Wheel Motor for Mobile Robot. The Transactions of the Korean Institute of Power Electronics, 2010, 15, 498-505.	0.1	3
58	BLAC Drive System for Electro-Magnetic Brake. , 2009, , .		2
59	Simple switch open fault detection method of voltage source inverter. , 2009, , .		7
60	A study on stable torque control in overmodulation region for high speed PMSM systems. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
61	Improved rotor position estimation employing voltage distortion compensation for sensorless PMSM drives at low speed. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
62	Improved rotor position estimation employing voltage distortion compensation for sensorless PMSM drives at low speed. , 2007, , .		4
63	Current control of PMSM in overmodulation region. , 2007, , .		0
64	Nonlinearity estimation and compensation of PWM VSI for PMSM under resistance and flux linkage uncertainty. IEEE Transactions on Control Systems Technology, 2006, 14, 589-601.	5.2	117
65	New Voltage Distortion Observer of PWM VSI for PMSM. IEEE Transactions on Industrial Electronics, 2005, 52, 1188-1192.	7.9	30
66	New single-stage low dc bus voltage stress converter for universal line applications. International Journal of Electronics, 2003, 90, 373-388.	1.4	3
67	A new on-line dead-time compensation method based on time delay control. , 0, , .		3
68	Single-stage high power factor converter with single-switch for universal input. , 0, , .		1
69	Current control of PM synchronous motor in overmodulation range. , 0, , .		8