

Hag-Wone Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5806100/publications.pdf>

Version: 2024-02-01

69
papers

644
citations

1163117

8
h-index

610901

24
g-index

69
all docs

69
docs citations

69
times ranked

687
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Molecular dynamics modeling and simulation of a graphene-based nanoelectromechanical resonator. Current Applied Physics, 2013, 13, 789-794.	2.4	39
4	New Voltage Distortion Observer of PWM VSI for PMSM. IEEE Transactions on Industrial Electronics, 2005, 52, 1188-1192.	7.9	30
5	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
6	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
7	Analysis of LLC resonant converter with current-doubler rectification circuit. , 2014, , .		13
8	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
9	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
10	Current control of PM synchronous motor in overmodulation range. , 0, , .		8
11	Simple switch open fault detection method of voltage source inverter. , 2009, , .		7
12	Energy exchange between vibration modes of a graphene nanoflake oscillator: Molecular dynamics study. Current Applied Physics, 2014, 14, 237-244.	2.4	7
13	Torque ripple reduction of PM synchronous motor for wide speed operating ranges. , 2015, , .		5
14	Improved rotor position estimation employing voltage distortion compensation for sensorless PMSM drives at low speed. , 2007, , .		4
15	A carrier comparison PWM method for reducing input current THD of three-phase PWM rectifier. , 2012, , .		4
16	Post-fault operation of open-circuit fault in three-phase PWM converter. , 2014, , .		4
17	Analysis of the efficiency characteristics of an LLC resonant converter having a current doubler rectification circuit. , 2015, , .		4
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	A new on-line dead-time compensation method based on time delay control. , 0, , .		3
23	New single-stage low dc bus voltage stress converter for universal line applications. International Journal of Electronics, 2003, 90, 373-388.	1.4	3
24	A study on stable torque control in overmodulation region for high speed PMSM systems. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
25	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
26	Single carrier wave comparison PWM for Vienna rectifier and consideration for DC-link voltage unbalance of offset voltage effects. , 2011, , .		3
27	An MRAS based current harmonics reduction for three phase PWM rectifier under input voltage distortion. , 2011, , .		3
28	120Hz output voltage ripple reduction of LLC resonant converter using resonant controller. , 2012, , .		3
29	Braking algorithm considering voltage limit condition for surface mounted PM synchronous motor. , 2015, , .		3
30	Torque ripple reduction of an interior PM synchronous motor for electronic power steering. , 2015, , .		3
31	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
32	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
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	BLAC Drive System for Electro-Magnetic Brake. , 2009, , .		2
35	Initial rotor position detecting algorithm of PM synchronous motor using incremental encoder. , 2013, , .		2
36	Dead time compensation using MRAS observer for a permanent magnet synchronous motor. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Comparison of Interleaving Methods of Parallel Connected Three-Level Bi-Directional Converters. Energies, 2022, 15, 6.	3.1	2
40	Single-stage high power factor converter with single-switch for universal input. , 0, , .		1
41	Position control Of BLDC motor with modified bipolar PWM for clutch system Of PHEV. , 2013, , .		1
42	Active damping of LCL filter without capacitor voltage sensors for three phase PWM inverter. , 2013, , .		1
43	Stationary frame voltage controller of single-phase inverter for seamless transition. , 2015, , .		1
44	Sensorless control of a PM synchronous motor in over modulation regions for high speed operation. , 2016, , .		1
45	Carrier Comparison PWM for Voltage Control of Vienna Rectifier. Journal of the Korea Academia-Industrial Cooperation Society, 2011, 12, 4561-4568.	0.1	1
46	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
47	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
48	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
49	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
50	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
51	Current control of PMSM in overmodulation region. , 2007, , .		0
52	Design and analysis of position estimator based on instantaneous power for sensorless drive of permanent magnet synchronous motor. , 2011, , .		0
53	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
54	Power loss minimization of common-mode noise reduced single-phase inverter by power device combination. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
55	Unbalance weight detection in washing machine using band pass filter with variable center frequency. , 2016, , .		0
56	A common-mode voltage reduction PWM method for three-phase unidirectional rectifier. , 2016, , .		0
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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