

Rijil Ramchand

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51
papers

568
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82
ext. papers

776
ext. citations

5
avg, IF

3.97
L-index

#	Paper	IF	Citations
51	A Dual Seven-Level Inverter Supply for an Open-End Winding Induction Motor Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 1665-1673	8.9	76
50	A Hybrid Multilevel Inverter Topology for an Open-End Winding Induction-Motor Drive Using Two-Level Inverters in Series With a Capacitor-Fed H-Bridge Cell. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 3707-3714	8.9	71
49	Fast Direct Torque Control of an Open-End Induction Motor Drive Using 12-Sided Polygonal Voltage Space Vectors. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 400-410	7.2	51
48	A Space-Vector-Based Hysteresis Current Controller for a General n-Level Inverter-Fed Drive With Nearly Constant Switching Frequency Control. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 1989-1998	8.9	39
47	Online Computation of Hysteresis Boundary for Constant Switching Frequency Current-Error Space-Vector-Based Hysteresis Controller for VSI-Fed IM Drives. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 1521-1529	7.2	37
46	A Seven-Level Inverter Topology for Induction Motor Drive Using Two-Level Inverters and Floating Capacitor Fed H-Bridges. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 1733-1740	7.2	33
45	A Five-Level Inverter Scheme for a Four-Pole Induction Motor Drive by Feeding the Identical Voltage-Profile Windings From Both Sides. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 2776-2784	8.9	33
44	A Combination of Hexagonal and 12-Sided Polygonal Voltage Space Vector PWM Control for IM Drives Using Cascaded Two-Level Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 1657-1664	8.9	27
43	A Rotor Flux Estimation During Zero and Active Vector Periods Using Current Error Space Vector From a Hysteresis Controller for a Sensorless Vector Control of IM Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 2334-2344	8.9	24
42	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 4542-4552	8.9	23
41	A Pulsewidth Modulated Control of Induction Motor Drive Using Multilevel 12-Sided Polygonal Voltage Space Vectors. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 2441-2449	8.9	20
40	Quantitative Feedback Design-Based Robust PID Control of Voltage Mode Controlled DC-DC Boost Converter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 286-290	3.5	14
39	Nearly Constant Switching Space Vector Based Hysteresis Controller for VSI Fed IM Drive. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 3360-3371	4.3	13
38	Current error space vector based constant switching frequency hysteresis controller for VSI fed Induction Motor drives 2015 ,		10
37	A three level voltage space vector generation for open end winding IM using single voltage source driven dual two-level inverter 2009 ,		8
36	A current error space vector based hysteresis controller with constant switching frequency and simple online boundary computation for VSI fed IM drive 2010 ,		7
35	An improved space vector PWM method for a three-level inverter with reduced THD 2015 ,		6

34	Vibration signal based condition monitoring of mechanical equipment with scattering transform. <i>Journal of Mechanical Science and Technology</i> , 2019 , 33, 3095-3103	1.6	5
33	A simple five-level inverter topology for induction motor drive using conventional two-level inverters and flying capacitor technique 2009 ,		5
32	Online Boundary Computation Using Sampled Voltage Reference for Bus Clamping PWM-Based Hysteresis-Controlled VSI-Fed IM Drive. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3939-3950	7.2	5
31	Current Error Space Vector Based Hysteresis Controller for VSI Fed PMSM Drive. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 10690-10699	7.2	4
30	Space vector based hybrid PWM for VSI fed variable speed induction motor drives 2016 ,		4
29	A New Space Vector Pulse Width Modulation Technique for Single-Phase Seven-Level Inverter with Reduced Number of Switches. <i>IETE Journal of Research</i> , 2019 , 1-14	0.9	3
28	Control of a novel single phase grid connected solar PV/battery hybrid energy system 2015 ,		3
27	Improved switching frequency variation control in hysteresis controlled VSI-fed induction motor drives for reduced line current ripple 2017 ,		3
26	Nearly constant switching frequency hysteresis current controller for general n-level inverter fed induction motor drive 2011 ,		3
25	An asymmetric cascaded H-Bridge inverters for generating 12-sided polygonal space vector diagrams for Motor drives. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2011 , 21, 21-28	0.4	3
24	Nearly constant switching frequency hysteresis controller for VSI fed IM drives based on Current Error Space Vector 2016 ,		3
23	Reduced current harmonics in the NPC inverter with a novel space vector PWM 2015 ,		2
22	Modeling and simulation of a novel solar PV/ battery hybrid energy system with a single phase five level inverter 2015 ,		2
21	Current error boundary analysis of constant switching frequency voltage controlled three level VSI Fed IM drive 2018 ,		2
20	Two Different Schemes for Three-Level Voltage Space Vector Generation for Induction Motor Drives with Reduced DC-Link Voltage. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2010 , 20, 5-12	0.4	2
19	Comparative Analysis of Different Modulation Techniques for Three Level Three Phase T-type NPC Inverter 2019 ,		2
18	Analysis of Current Error Space Phasor for a Space Vector Modulated Indirect Matrix Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
17	Comparative Analysis of Hysteresis Current Control Strategies to Achieve Nearly Constant Switching Frequency for a Two- Level Inverter Fed IM Drive 2018 ,		2

16	A Composite Strategy for Improved Power Quality Using Micro Compensators in Secondary Distribution Systems. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	2
15	An adaptive control strategy for single-phase cascaded H-bridge multilevel inverter under distorted load conditions. <i>Electrical Engineering</i> , 2020 , 102, 1051-1062	1.5	1
14	Online computation of error band for hysteresis current controlled reactive current compensators 2016 ,		1
13	Analysis and validation of reactive power compensation by transformerless multilevel inverter using SPWM and modified SVPWM strategies 2017 ,		1
12	Peak-to-peak torque ripple reduction and switching frequency variation control in hysteresis controlled VSI-Fed IM drives 2017 ,		1
11	Constant switching frequency DTC for induction motor fed from two level voltage source inverter 2014 ,		1
10	Vector Control of Space Vector based Hybrid PWM fed IM Drive with reduced torque ripple 2020 ,		1
9	A simple and low cost generalised modulation technique for neutral point clamped multilevel inverters 2016 ,		1
8	Carrier based space vector modulation for Matrix Converters 2016 ,		1
7	Nearly Constant Switching Frequency Hysteresis Current Controller for Multilevel Inverter based STATCOM 2019 ,		1
6	Space Vector PWM Scheme for Three Phase Three Level T-type NPC Inverter 2019 ,		1
5	A Low Cost Development Tool for Educating Electric Machines 2019 ,		1
4	A new control strategy for single phase cascaded H bridge multilevel inverter in stationary reference frame with nonlinear loads 2018 ,		1
3	Novel Hysteresis Regulation Strategy for a Two-level Inverter Fed Induction Motor Drive to Achieve Nearly Constant Switching Frequency. <i>IETE Journal of Research</i> , 2020 , 1-13	0.9	
2	Space vector PWM-based current error boundary investigations for three-level VSI fed induction motor drive. <i>International Transactions on Electrical Energy Systems</i> , e13228	2.2	
1	Investigations on STATCOM using current error space phasor based modified hysteresis current controller. <i>IET Generation, Transmission and Distribution</i> , 2021 , 15, 1094-1106	2.5	