

Ramkrishan Maheshwari

List of Publications by Year in descending order

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52
papers

1,068
citations

687363

13
h-index

839539

18
g-index

52
all docs

52
docs citations

52
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	Influences of Device and Circuit Mismatches on Paralleling Silicon Carbide MOSFETs. IEEE Transactions on Power Electronics, 2016, 31, 621-634.	7.9	204
2	Design of Neutral-Point Voltage Controller of a Three-Level NPC Inverter With Small DC-Link Capacitors. IEEE Transactions on Industrial Electronics, 2013, 60, 1861-1871.	7.9	150
3	Modified Discontinuous PWM for Size Reduction of the Circulating Current Filter in Parallel Interleaved Converters. IEEE Transactions on Power Electronics, 2015, 30, 3457-3470.	7.9	98
4	An Active Damping Technique for Small DC-Link Capacitor Based Drive System. IEEE Transactions on Industrial Informatics, 2013, 9, 848-858.	11.3	85
5	Analysis and modelling of circulating current in two parallel-connected inverters. IET Power Electronics, 2015, 8, 1273-1283.	2.1	55
6	A Novel Carrier-Based Hybrid PWM Technique for Minimization of Line Current Ripple in Two Parallel Interleaved Two-Level VSIs. IEEE Transactions on Industrial Electronics, 2018, 65, 1908-1918.	7.9	54
7	Enhanced DC-Link Capacitor Voltage Balancing Control of DC-AC Multilevel Multileg Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 2663-2672.	7.9	48
8	Design, Analysis, and Impacts of Sinusoidal LC Filter on Pulsewidth Modulated Inverter Fed-Induction Motor Drive. IEEE Transactions on Industrial Electronics, 2020, 67, 2678-2688.	7.9	45
9	New Resonant Gate Driver Circuit for High-Frequency Application of Silicon Carbide MOSFETs. IEEE Transactions on Industrial Electronics, 2017, 64, 8277-8287.	7.9	40
10	Overmodulation of n -Level Three-Leg DC-AC Diode-Clamped Converters With Comprehensive Capacitor Voltage Balance. IEEE Transactions on Industrial Electronics, 2013, 60, 1872-1883.	7.9	39
11	A Novel Approach to Generate Effective Carrier-Based Pulsewidth Modulation Strategies for Diode-Clamped Multilevel DC-AC Converters. IEEE Transactions on Industrial Electronics, 2016, 63, 7243-7252.	7.9	36
12	Stabilization of Rotor Flux-Oriented Control of Induction Motor With Filter by Active Damping. IEEE Transactions on Industrial Electronics, 2019, 66, 9173-9183.	7.9	24
13	Parallel interleaved VSCs: Influence of the PWM scheme on the design of the coupled inductor. , 2014, , .		17
14	Neutral-point current modeling and control for Neutral-Point Clamped three-level converter drive with small DC-link capacitors. , 2011, , .		16
15	A Simple Feedforward Approach to Stabilize VSI-Fed Induction Motor With Filter in RFOC. IEEE Transactions on Industrial Electronics, 2020, 67, 10191-10201.	7.9	14
16	A Generalized Method to Generate Carrier-Based 3L PWM Techniques Using Two Parallel Interleaved 2L VSIs. IEEE Transactions on Industrial Electronics, 2019, 66, 4177-4188.	7.9	13
17	Study on Resonant Gate Driver circuits for high frequency applications. , 2016, , .		11
18	A new hybrid PWM for two parallel connected interleaved two-level inverter to reduce output current ripple. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
19	Closed loop control of active damped small DC-link capacitor based drive. , 2010, , .		10
20	Active damping technique for small DC-link capacitor based drive system. , 2010, , .		8
21	A Novel High Bandwidth Current Control Strategy for SiC mosfet Based Active Front-End Rectifiers Under Unbalanced Input Voltage Conditions. IEEE Transactions on Industrial Electronics, 2017, 64, 8310-8320.	7.9	8
22	Implementation of 3L DPWM Techniques for Parallel Interleaved 2L VSIs. IEEE Transactions on Industry Applications, 2019, 55, 7604-7613.	4.9	7
23	Circulating Current Suppression in Parallel Interleaved 2L VSIs Using Modified CM Offset Based Method During Inductors Mismatch Condition. IEEE Transactions on Industry Applications, 2021, 57, 3143-3153.	4.9	7
24	Design of PCB Coil Based High Bandwidth Current Sensor With Power-Loop Stray Inductance Characterization. IEEE Transactions on Industrial Electronics, 2021, 68, 12791-12801.	7.9	7
25	A resonant gate driver circuit with turn-on and turn-off dv/dt control. , 2018, , .		6
26	EMI performance comparison of two-level and three-level inverters in small dc-link capacitors based motor drives. , 2012, , .		5
27	A carrier-based approach for overmodulation of three-level neutral-point-clamped inverter with zero neutral-point current. , 2012, , .		5
28	Active damping control of induction motor drive with LC filter. , 2016, , .		5
29	LC filter design method for pulse width modulated inverter Fed induction motor drive. , 2017, , .		5
30	A Method for Fast Startup of Vector Controlled Induction Machine Drive in Rotor-Flux-Oriented Reference Frame. , 2018, , .		5
31	Loss Analysis of NPC and T-Type Three-Level Converter for Si, SiC, and GaN based Devices. , 2020, , .		5
32	Steady-state analysis of dead-time effect on bidirectional buck converters. , 2012, , .		4
33	Effect of dead-time in interleaved PWM for two parallel-connected inverters. , 2015, , .		3
34	An energy recovery based low loss resonant gate driver circuit for Silicon Carbide MOSFETs. , 2016, , .		3
35	Control of SiC based front-end rectifier under unbalanced supply voltage. , 2015, , .		2
36	SiC heat pump converters with support for voltage unbalance in distribution grids. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
37	Modified Current Controllers for Closed-loop Control of Induction Motor with LC Filter. , 2019, , .		2
38	Testing of SiC Voltage Source Inverter fed Induction Motor Drive and its Control with Output Sinusoidal LC filter. , 2020, , .		2
39	Neutral-point voltage dynamic model of three-level NPC inverter for reactive load. , 2012, , .		1
40	Innovative digitally controlled particle accelerator magnet power supply. , 2013, , .		1
41	Low inductive test bench for resonant converters. , 2015, , .		1
42	Evaluation of All SiC MOSFET Based Voltage Source Inverter With Open Loop Induction Motor. , 2017, , .		1
43	An Implementation Issue for 3L PWM Techniques for Parallel Interleaved 2L VSIs. , 2018, , .		1
44	Investigation of Trade-Off Between Sensor Bandwidth and Damping Achievable Through a Rogowski Coil Based Current Sensor. , 2020, , .		1
45	Active Damping by State Feedback Control in Induction Motor Drive with Filter. , 2021, , .		1
46	High performance current controller for particle accelerator magnets supply. , 2013, , .		0
47	An unified neutral-point voltage controller for NPC converter fed induction machine drive. , 2016, , .		0
48	Implementing continuous and discontinuous space-vector pulse-width modulation using carrier based approach for diode-clamped multilevel DC-AC converters. , 2017, , .		0
49	3L Switching Sequences using Parallel Connected 2L VSIs. , 2018, , .		0
50	LQR based Active Damping of Induction Motor Drive with Filter. , 2018, , .		0
51	Analysis of Circulating current in Two Parallel-Connected AC/DC/AC Converter. , 2019, , .		0
52	Hybrid System Simulation of Current Controlled BLDC Drive. , 2020, , .		0