

B Prathap Reddy

List of Publications by Year in Descending Order

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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.

25
papers

186
citations

8
h-index

12
g-index

27
ext. papers

279
ext. citations

5.1
avg. IF

4.16
L-index

#	Paper	IF	Citations
25	A new family of boost active neutral point clamped inverter topology with reduced switch count. <i>IET Power Electronics</i> , 2021 , 14, 1433-1443	2.2	2
24	Performance Enhancement of PPMIM Drives by Using Three 3-Phase Four-Leg Inverters. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 2516-2526	4.3	1
23	Quadruple Boost Multilevel Inverter (QB-MLI) Topology With Reduced Switch Count. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 7372-7377	7.2	15
22	A Hybrid Multilevel Inverter Scheme for Nine-Phase PPMIM Drive by Using Three-Phase Five-Leg Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1895-1904	8.9	6
21	A Single DC Source-Based Three-Level Inverter Topology for a Four-Pole Open-End Winding Nine-Phase PPMIM Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2750-2759	8.9	6
20	Phase Reconfiguring Technique for Enhancing the Modulation Index of Multilevel Inverter Fed Nine-Phase IM Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2898-2906	8.9	3
19	Distributed Fault-Tolerant Powertrain Configuration for Electric Vehicle Applications with Pole Phase Modulation. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	
18	Dynamic Modelling and Control of Pole-phase Modulation based Multiphase Induction Motor Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	1
17	A New Family of Step-Up Hybrid Switched-Capacitor Integrated Multilevel Inverter Topologies With Dual Input Voltage Sources. <i>IEEE Access</i> , 2021 , 9, 4398-4410	3.5	13
16	Non-Isolated DCDC Power Converter With High Gain and Inverting Capability. <i>IEEE Access</i> , 2021 , 9, 62084-62094	3.5	13
15	A multi-string fault-tolerant multilevel inverter configuration for off-grid photovoltaic applications. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e12803	2.2	2
14	7L-SCBI topology with minimal semiconductor device count. <i>IET Power Electronics</i> , 2020 , 13, 3199-3203	2.2	10
13	Reduced switch count-based N -level boost inverter topology for higher voltage gain. <i>IET Power Electronics</i> , 2020 , 13, 3505-3509	2.2	13
12	A sense winding system and dynamic current profiling to reduce torque ripple of SRM. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12261	2.2	2
11	Multilayer Fractional Slot Pole-Phase Modulated Induction Motor Drives for Traction Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9112-9119	8.9	6
10	Linear Modulation Range and Torque Ripple Profile Improvement of PPMIM Drives. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 12120-12127	7.2	9
9	Performance Enhancement of PPMIM Drives by using 3 Three-Phase Four-Leg Inverters 2019 ,		2

8	A Multilevel Inverter Configuration for an Open-End-Winding Pole-Phase-Modulated-Multiphase Induction Motor Drive Using Dual Inverter Principle. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 3035-3044	8.9	31
7	A Fault-Tolerant Multilevel Inverter for Improving the Performance of a Pole-Phase Modulated Nine-Phase Induction Motor Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 1107-1116	8.9	33
6	Torque Ripple Minimization of PPMIM Drives with Phase-Shifted Carrier PWM 2018 ,		3
5	Distributed Short-Pitch Winding for Multi-Phase Pole-Phase Modulated Induction Motor Drives 2018 ,		2
4	A five speed 45-phase induction motor drive with pole phase modulation for electric vehicles 2017 ,		9
3	A three-level inverter configuration for pole-phase modulated nine-phase induction motor drives with single DC link 2017 ,		6
2	Fractional-slot winding pattern for pole-phase modulated multiphase multi-speed induction motor drives 2017 ,		4
1	Novel single phase full bridge inverter formed by floating capacitors. <i>International Journal of Power Electronics and Drive Systems</i> , 2016 , 7, 193	1.5	3