

# B Prathap Reddy

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Fault-Tolerant Multilevel Inverter for Improving the Performance of a Pole-Phase Modulated Nine-Phase Induction Motor Drive. IEEE Transactions on Industrial Electronics, 2018, 65, 1107-1116.	5.2	61
2	A Multilevel Inverter Configuration for an Open-End-Winding Pole-Phase-Modulated-Multiphase Induction Motor Drive Using Dual Inverter Principle. IEEE Transactions on Industrial Electronics, 2018, 65, 3035-3044.	5.2	44
3	Quadruple Boost Multilevel Inverter (QB-MLI) Topology With Reduced Switch Count. IEEE Transactions on Power Electronics, 2021, 36, 7372-7377.	5.4	42
4	A New Family of Step-Up Hybrid Switched-Capacitor Integrated Multilevel Inverter Topologies With Dual Input Voltage Sources. IEEE Access, 2021, 9, 4398-4410.	2.6	39
5	Reduced switch count-based $N$ -level boost inverter topology for higher voltage gain. IET Power Electronics, 2020, 13, 3505-3509.	1.5	23
6	A five speed 45-phase induction motor drive with pole phase modulation for electric vehicles. , 2017, , .		21
7	Linear Modulation Range and Torque Ripple Profile Improvement of PPMIM Drives. IEEE Transactions on Power Electronics, 2019, 34, 12120-12127.	5.4	15
8	Non-Isolated DC-DC Power Converter With High Gain and Inverting Capability. IEEE Access, 2021, 9, 62084-62092.	2.6	15
9	7L-SCBI topology with minimal semiconductor device count. IET Power Electronics, 2020, 13, 3199-3203.	1.5	15
10	Multilayer Fractional Slot Pole-Phase Modulated Induction Motor Drives for Traction Applications. IEEE Transactions on Industrial Electronics, 2020, 67, 9112-9119.	5.2	14
11	A Hybrid Multilevel Inverter Scheme for Nine-Phase PPMIM Drive by Using Three-Phase Five-Leg Inverters. IEEE Transactions on Industrial Electronics, 2021, 68, 1895-1904.	5.2	13
12	A Single DC Source-Based Three-Level Inverter Topology for a Four-Pole Open-End Winding Nine-Phase PPMIM Drives. IEEE Transactions on Industrial Electronics, 2021, 68, 2750-2759.	5.2	11
13	Phase Reconfiguring Technique for Enhancing the Modulation Index of Multilevel Inverter Fed Nine-Phase IM Drive. IEEE Transactions on Industrial Electronics, 2021, 68, 2898-2906.	5.2	10
14	A three-level inverter configuration for pole-phase modulated nine-phase induction motor drives with single DC link. , 2017, , .		8
15	A new family of boost active neutral point clamped inverter topology with reduced switch count. IET Power Electronics, 2021, 14, 1433-1443.	1.5	8
16	A multi-string fault-tolerant multilevel inverter configuration for off-grid photovoltaic applications. International Transactions on Electrical Energy Systems, 2021, 31, e12803.	1.2	7
17	Fractional-slot winding pattern for pole-phase modulated multiphase multi-speed induction motor drives. , 2017, , .		5
18	Torque Ripple Minimization of PPMIM Drives with Phase-Shifted Carrier PWM. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Performance Enhancement of PPMIM Drives by Using Three 3-Phase Four-Leg Inverters. IEEE Transactions on Industry Applications, 2021, 57, 2516-2526.	3.3	5
20	Novel single phase full bridge inverter formed by floating capacitors. International Journal of Power Electronics and Drive Systems, 2016, 7, 193.	0.5	5
21	Distributed Short-Pitch Winding for Multi-Phase Pole-Phase Modulated Induction Motor Drives. , 2018, , .		4
22	Dynamic Modeling and Control of Pole-Phase Modulation-Based Multiphase Induction Motor Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3383-3394.	3.7	4
23	Performance Enhancement of PPMIM Drives by using 3 Three-Phase Four-Leg Inverters. , 2019, , .		2
24	A sense winding system and dynamic current profiling to reduce torque ripple of SRM. International Transactions on Electrical Energy Systems, 2020, 30, e12261.	1.2	2
25	Distributed Fault-Tolerant Powertrain Configuration for Electric Vehicle Applications With Pole-Phase Modulation. IEEE Transactions on Industrial Electronics, 2022, 69, 7787-7796.	5.2	1
26	Adaptability of 9-Switch Inverter Configurations for Multiphase Induction Motors with Phase Reconfiguring Techniques. , 2020, , .		1
27	Design constraints of multiphase induction motor drives for electric vehicles. , 2017, , .		0