

# B Prathap Reddy

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5685454/b-prathap-reddy-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 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> , <b>2018</b> , 65, 1107-1116	8.9	33
24	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> , <b>2018</b> , 65, 3035-3044	8.9	31
23	Quadruple Boost Multilevel Inverter (QB-MLI) Topology With Reduced Switch Count. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 7372-7377	7.2	15
22	Reduced switch count-based N-level boost inverter topology for higher voltage gain. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3505-3509	2.2	13
21	A New Family of Step-Up Hybrid Switched-Capacitor Integrated Multilevel Inverter Topologies With Dual Input Voltage Sources. <i>IEEE Access</i> , <b>2021</b> , 9, 4398-4410	3.5	13
20	7L-SCBI topology with minimal semiconductor device count. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3199-3203	2.2	10
19	A five speed 45-phase induction motor drive with pole phase modulation for electric vehicles <b>2017</b> ,		9
18	Linear Modulation Range and Torque Ripple Profile Improvement of PPMIM Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 12120-12127	7.2	9
17	A three-level inverter configuration for pole-phase modulated nine-phase induction motor drives with single DC link <b>2017</b> ,		6
16	Multilayer Fractional Slot Pole-Phase Modulated Induction Motor Drives for Traction Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 9112-9119	8.9	6
15	A Hybrid Multilevel Inverter Scheme for Nine-Phase PPMIM Drive by Using Three-Phase Five-Leg Inverters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 1895-1904	8.9	6
14	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> , <b>2021</b> , 68, 2750-2759	8.9	6
13	Fractional-slot winding pattern for pole-phase modulated multiphase multi-speed induction motor drives <b>2017</b> ,		4
12	Non-Isolated DC-DC Power Converter With High Gain and Inverting Capability. <i>IEEE Access</i> , <b>2021</b> , 9, 62084-62094	3.5	4
11	Novel single phase full bridge inverter formed by floating capacitors. <i>International Journal of Power Electronics and Drive Systems</i> , <b>2016</b> , 7, 193	1.5	3
10	Phase Reconfiguring Technique for Enhancing the Modulation Index of Multilevel Inverter Fed Nine-Phase IM Drive. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 2898-2906	8.9	3
9	Torque Ripple Minimization of PPMIM Drives with Phase-Shifted Carrier PWM <b>2018</b> ,		3

8	A sense winding system and dynamic current profiling to reduce torque ripple of SRM. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 30, e12261	2.2	2
7	A new family of boost active neutral point clamped inverter topology with reduced switch count. <i>IET Power Electronics</i> , <b>2021</b> , 14, 1433-1443	2.2	2
6	Performance Enhancement of PPMIM Drives by using 3 Three-Phase Four-Leg Inverters <b>2019</b> ,		2
5	A multi-string fault-tolerant multilevel inverter configuration for off-grid photovoltaic applications. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e12803	2.2	2
4	Distributed Short-Pitch Winding for Multi-Phase Pole-Phase Modulated Induction Motor Drives <b>2018</b> ,		2
3	Performance Enhancement of PPMIM Drives by Using Three 3-Phase Four-Leg Inverters. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 2516-2526	4.3	1
2	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> , <b>2021</b> , 1-1	5.6	1
1	Distributed Fault-Tolerant Powertrain Configuration for Electric Vehicle Applications with Pole Phase Modulation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	