

# Jaison Mathew

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Multilevel Inverter Scheme With Dodecagonal Voltage Space Vectors Based on Flying Capacitor Topology for Induction Motor Drives. IEEE Transactions on Power Electronics, 2013, 28, 516-525.	7.9	78
2	Medium-Voltage Drive for Induction Machine With Multilevel Dodecagonal Voltage Space Vectors With Symmetric Triangles. IEEE Transactions on Industrial Electronics, 2015, 62, 79-87.	7.9	44
3	A Harmonic Suppression Scheme for Open-End Winding Split-Phase IM Drive Using Capacitive Filters for the Full Speed Range. IEEE Transactions on Industrial Electronics, 2014, 61, 5213-5221.	7.9	31
4	A Hybrid Multilevel Inverter System Based on Dodecagonal Space Vectors for Medium Voltage IM Drives. IEEE Transactions on Power Electronics, 2013, 28, 3723-3732.	7.9	30
5	A Medium-Voltage Inverter-Fed IM Drive Using Multilevel 12-Sided Polygonal Vectors, With Nearly Constant Switching Frequency Current Hysteresis Controller. IEEE Transactions on Industrial Electronics, 2014, 61, 1700-1709.	7.9	27
6	Medium Voltage Drive for Induction Motors Using Multilevel Octadecagonal Voltage Space Vectors. IEEE Transactions on Power Electronics, 2013, 28, 3573-3580.	7.9	21
7	Multilevel dodecagonal space-vector generation for induction motor drives by cascading three-level and two-level inverters. IET Power Electronics, 2012, 5, 1324.	2.1	14
8	A Single Phase, Single Stage AC-DC Multilevel LLC Resonant Converter With Power Factor Correction. IEEE Access, 2021, 9, 70884-70895.	4.2	12
9	An open-end winding IM drive with multilevel 12-sided polygonal vectors with symmetric triangles. , 2014, , .		6
10	Design and analysis of an AC-DC LLC resonant converter with new bus voltage stabilization technique. , 2017, , .		4
11	A Three-Level Half-Bridge Flying Capacitor Topology for Single-Stage AC-DC LLC Resonant Converter. , 2018, , .		4
12	A Three-Phase Five-Level Active-Neutral-Point-Clamped Z-Source Inverter. , 2020, , .		4
13	Bus clamped Space Vector Pulse Width Modulated Direct Torque Control of Induction Motor. , 2019, , .		3
14	A nearly constant switching frequency current hysteresis controller with generalized parabolic boundaries using 12-sided polygonal voltage space vectors for IM drives. , 2012, , .		2
15	Carrier based modulation technique for space vector PWM of dodecagonal voltage SV structures. , 2017, , .		2
16	Direct Torque Control of Induction Motor Drive Using TMS320F28335 Digital Signal Controller. , 2018, , .		2
17	Capacitor Charge Control Scheme For Extended Modulation Range in Five-Level Space Vector Modulated Single Source Fed Floating Capacitor Dual Inverters. , 2019, , .		2
18	Rotor Parameter Independent Carrier Space Vector Modulated Direct Torque Control of Induction Motor. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Multilevel dodecagonal voltage space vector generation using flying capacitor topology for induction motor drives. , 2012, , .		1
20	Multilevel octadecagonal space vector generation for induction motor drives by cascading asymmetric three level inverters. , 2012, , .		1
21	A 5th and 7th order harmonic suppression scheme for open-end winding asymmetrical six-phase IM drive using capacitor-fed inverter. , 2013, , .		1
22	Review of current control strategies for a vector controlled three phase UPF rectifier. , 2015, , .		1
23	Transformer-Less Solar PV Inverter With Fuzzy Assisted MPPT for Standalone/ Grid Connected System. , 2020, , .		1
24	High Gain Switched Inductor-Capacitor Split Source Inverter. , 2021, , .		1
25	A multilevel inverter topology for the generation of dodecagonal space vectors for medium voltage induction motor drives. , 2013, , .		0
26	A Nearly Constant Switching Frequency Current Error Space Vector Based Hysteresis Controller for an IM Drive with 12-Sided Polygonal Voltage Space Vectors. EPE Journal (European Power Electronics) Tj ETQq0 0 0rgBT /Overclock 10 Tf		0
27	Design, modeling and simulation of a bridgeless power factor pre-regulator. , 2014, , .		0
28	Capacitor balancing of a modular multilevel inverter using a modulation strategy. , 2016, , .		0
29	A Three-Phase Enhanced Boost Switched Inductor Z-Source Based Three-level Inverter-fed Induction Motor Drive. , 2020, , .		0