

Saravana Prakash P

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.

45
papers

473
citations

12
h-index

20
g-index

72
ext. papers

651
ext. citations

3.9
avg, IF

3.9
L-index

#	Paper	IF	Citations
45	. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 549-558	4.3	6
44	. <i>IEEE Transactions on Plasma Science</i> , 2021 , 49, 383-388	1.3	1
43	Simplified Sensor Based Vector Control of Permanent Magnet Synchronous Motor Drive 2020 ,		1
42	Grid-Tied Battery Integrated Wind Energy Generation System with Ability to Operate Under Adverse Grid Conditions 2020 ,		1
41	Investigations on Open-Circuit Faults of Zigzag Autoconfigured Transformer-Based 12-Pulse Rectifier. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 1599-1608	4.3	1
40	A Novel Modeling Approach for a Switched Reluctance Machine for Multi-Quadrant Operation 2020 , 5, 629-641		2
39	. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2438-2448	4.3	15
38	A 20-Pulse Asymmetric Multiphase Staggering Autoconfigured Transformer For Power Quality Improvement. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 917-925	7.2	39
37	. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5267-5277	4.3	18
36	Power Quality Improvement in Utility Interactive Based ACDC Converter Using Harmonic Current Injection Technique. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5355-5366	4.3	3
35	Standalone and grid connected operations of a SynRG based WECS with BESS 2018 ,		2
34	Unity Power Factor Operated PFC Converter Based Power Supply for Computers. <i>Journal of the Institution of Engineers (India): Series B</i> , 2018 , 99, 49-60	0.9	2
33	Investigations on Single-Phasing Effect of Zigzag Autoconfigured Transformer Based 12-Pulse Rectifier 2018 ,		2
32	Application of voltage multiplier in 12-pulse rectifier for sinusoidal input current. <i>Electronics Letters</i> , 2018 , 54, 1266-1268	1.1	1
31	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 5634-5644	4.3	23
30	Improved Power Quality Bridgeless Converter-Based SMPS for Arc Welding. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 275-284	8.9	6
29	Improved Power-Quality-Based Welding Power Supply With Overcurrent Handling Capability. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2850-2859	7.2	9

28	Improved Power Quality Switched-Mode Power Supply Using BuckBoost Converter. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 5194-5202	4.3	11
27	A Power Quality Improved Bridgeless Converter-Based Computer Power Supply. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 4385-4394	4.3	18
26	A PFC Based Bridgeless Converter with Improved Power Quality for Welding Applications 2015 ,		1
25	Power Factor Corrected Zeta Converter Based Improved Power Quality Switched Mode Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5422-5433	8.9	46
24	Improved-Power-Quality Bridgeless-Converter-Based Multiple-Output SMPS. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 721-732	4.3	4
23	High-efficiency improved 12kW switched mode telecom rectifier 2015 ,		4
22	Power Quality Improvement in Bridgeless ACDC Converter Based Multi-output Switched Mode Power Supply. <i>International Journal of Emerging Electric Power Systems</i> , 2014 , 15, 533-544	1.4	
21	Autoconnected-Transformer-Based 20-Pulse ACDC Converter for Telecommunication Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 4178-4190	8.9	27
20	Improved power quality converter for direct torque control-based induction motor drives. <i>IET Power Electronics</i> , 2013 , 6, 276-286	2.2	14
19	Improved Power Quality SMPS for Personal Computer Applications. <i>Journal of the Institution of Engineers (India): Series B</i> , 2012 , 93, 151-161	0.9	
18	Three-phase, two-switch PFC rectifier fed three-level VSI based FOC of induction motor drive 2012 ,		3
17	ANN based optimal flux determination for efficiency improvement in Direct Torque controlled induction motor drives 2010 ,		1
16	Design, modeling, simulation and performance of a MOSMPS fed from a universal standard Single-phase outlet 2010 ,		2
15	Autoconnected transformer-based 18-pulse acdc converter for power quality improvement in switched mode power supplies. <i>IET Power Electronics</i> , 2010 , 3, 525	2.2	12
14	Harmonic mitigator based on 12-pulse acdc converter for switched mode power supply. <i>IET Power Electronics</i> , 2010 , 3, 947	2.2	11
13	Analysis of Converter Transformer Failure in HVDC Systems and Possible Solutions. <i>IEEE Transactions on Power Delivery</i> , 2009 , 24, 814-821	4.3	43
12	A Novel Polygon Based 15-Phase AC-DC Converter for Vector Controlled Induction Motor Drives. <i>Electric Power Components and Systems</i> , 2007 , 35, 1111-1130	1	2
11	A Novel T-Connected Autotransformer-Based 18-Pulse ACDC Converter for Harmonic Mitigation in Adjustable-Speed Induction-Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 2500-2511	8.9	53

10	A Novel Polygon Based 18-Pulse ACDC Converter for Vector Controlled Induction Motor Drives. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 488-497	7.2	36
9	Improved power quality AC-DC converter for electric multiple units in electric traction 2006 ,		5
8	Autotransformer Based Nine-Phase AC-DC Converter for Harmonic Mitigation in Induction Motor drives 2006 ,		1
7	24-Pulse AC-DC Converter for Power Quality Improvement in Vector Controlled Induction Motor Drives. <i>Electric Power Components and Systems</i> , 2006 , 34, 1077-1098	1	4
6	A Tapped Delta Autotransformer Based 24-Pulse AC-DC Converter for Variable Frequency Induction Motor Drives 2006 ,		1
5	Power-quality improvements in vector-controlled induction motor drive employing pulse multiplication in AC-DC converters. <i>IEEE Transactions on Power Delivery</i> , 2006 , 21, 1578-1586	4.3	24
4	Polygon Connected 15-Phase AC-DC Converter for Power Quality Improvement 2006 ,		2
3	Star connected autotransformer based 30-pulse AC-DC converter for power quality improvement in vector controlled induction motor drives 2006 ,		7
2	Third Harmonic Current Injection for Power Quality Improvement in Rectifier Loads 2006 ,		3
1	Eighteen-Pulse AC-DC Converter for Harmonic Mitigation in Vector Controlled Induction Motor Drives		4