

Rahman Syed

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

34 papers	287 citations	11 h-index	15 g-index
45 ext. papers	505 ext. citations	4.2 avg, IF	4.15 L-index

#	Paper	IF	Citations
34	FieldOriented Control of Five-Phase Induction Motor fed from Space Vector Modulated Matrix Converter. <i>IEEE Access</i> , 2022 , 1-1	3.5	2
33	Review on classification of resonant converters for electric vehicle application. <i>Energy Reports</i> , 2022 , 8, 1091-1113	4.6	4
32	Comprehensive review & impact analysis of integrating projected electric vehicle charging load to the existing low voltage distribution system. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 153, 1117-1156	16.2	12
31	A review on recent developments in control and optimization of micro grids. <i>Energy Reports</i> , 2022 , 8, 4085-4103	4.6	4
30	A state-of-the-art review on topologies and control techniques of solid-state transformers for electric vehicle extreme fast charging. <i>IET Power Electronics</i> , 2021 , 14, 1560	2.2	18
29	A Comparison Review on Transmission Mode for Onshore Integration of Offshore Wind Farms: HVDC or HVAC. <i>Electronics (Switzerland)</i> , 2021 , 10, 1489	2.6	6
28	Scalable Multiport Converter Structure for Easy Grid Integration of Alternate Energy Sources for Generation of Isolated Voltage Sources for MMC. <i>Electronics (Switzerland)</i> , 2021 , 10, 1779	2.6	2
27	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4766-4777	7.2	6
26	Novel Level Shifted PWM Technique for Unequal and Equal Power Sharing in Quasi Z-Source Cascaded Multilevel Inverter for PV Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 937-948	5.6	12
25	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
24	Improved Dual Switch Non-Isolated High Gain Boost Converter for DC microgrid Application 2021 ,		9
23	Impact of EV charging Station Penetration on Harmonic Distortion Level in Utility Distribution Network: A Case Study of Qatar 2021 ,		3
22	Novel Level-Shifted PWM Technique for Cascaded Multilevel Quasi-Impedance Source Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 5918-5928	5.6	3
21	A Dual Active Bridge based Wireless Power Transfer System for EV Battery Charging Controlled Using High Speed FPGA 2020 ,		2
20	Interleaved Multilevel Boost Converter With Minimal Voltage Multiplier Components for High-Voltage Step-Up Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12816-12833	7.2	22
19	A Review on Impact Analysis of Electric Vehicle Charging on Power Distribution Systems 2020 ,		5
18	7L-SCBI topology with minimal semiconductor device count. <i>IET Power Electronics</i> , 2020 , 13, 3199-3203	2.2	10

17	Design and Implementation of Cascaded Multilevel qZSI Powered Single-Phase Induction Motor for Isolated Grid Water Pump Application. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 1907-1917	4.3	16
16	Closed-Loop Control and Boundary for CCM and DCM of Nonisolated Inverting N ² Multilevel Boost Converter for High-Voltage Step-Up Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2863-2874	8.9	22
15	A New Variable Frequency Control of 49-Level Cascaded Packed U-Cell Voltage Source Inverter. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 7537-7548	4.3	13
14	Systematic Implementation of Multi-Phase Power Supply (Three to Six) Conversion System. <i>Electronics (Switzerland)</i> , 2019 , 8, 109	2.6	4
13	Novel voltage balancing algorithm for single-phase cascaded multilevel inverter for post-module failure operation in solar photovoltaic applications. <i>IET Renewable Power Generation</i> , 2019 , 13, 427-437	2.9	9
12	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 1352-1363	5.6	30
11	Experimental Investigation and Comparative Evaluation of Standard Level Shifted Multi-Carrier Modulation Schemes With a Constraint GA Based SHE Techniques for a Seven-Level PUC Inverter. <i>IEEE Access</i> , 2019 , 7, 100605-100617	3.5	11
10	High Brightness and High Voltage Dimmable LED Driver for Advanced Lighting System. <i>IEEE Access</i> , 2019 , 7, 95643-95652	3.5	5
9	Fault tolerant single-phase capacitor start capacitor run induction motor powered with cascaded multilevel quasi impedance source inverter. <i>Journal of Engineering</i> , 2019 , 2019, 4036-4040	0.7	0
8	New tri-switching state non-isolated high gain DCDC boost converter for microgrid application. <i>IET Power Electronics</i> , 2019 , 12, 2741-2750	2.2	17
7	Optimized FPGA Implementation of PWAM-Based Control of Three-Phase Nine-Level Quasi Impedance Source Inverter. <i>IEEE Access</i> , 2019 , 7, 137279-137290	3.5	3
6	A Quasi Impedance Source Inverter based Wireless Power Transfer System for Battery Charging Applications for Electric Vehicle 2019 ,		3
5	Common mode voltage reduction technique in a three-to-three phase indirect matrix converter. <i>IET Electric Power Applications</i> , 2018 , 12, 254-263	1.8	12
4	2017 ,		6
3	Thyristor based SVC and multilevel qZSI for Active and Reactive power management in solar PV system 2017 ,		4
2	Cascaded multilevel qZSI powered single-phase induction motor for water pump application 2017 ,		2
1	A hybrid active and reactive power control with Quasi Z-source inverter in single-phase grid-connected PV systems 2016 ,		5