

Bhuvaneshwari Gurumoorthy

List of Publications by Year in descending order

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403
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximum power extraction from a switched reluctance generator based wind power generating system using optimization techniques. Engineering Reports, 2022, 4, e12457.	1.7	3
2	Analysis and Transition Techniques for a Bidirectional DC-DC Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1428-1443.	5.4	10
3	A New Modelling Technique for a Switched Reluctance Machine Based on the Mathematical Function for its Inductance Profile. , 2021, , .		2
4	Design of Gate Drive Circuit for Thyristor Stack in Electromagnetic Railgun by Load-Line Analysis. IEEE Transactions on Plasma Science, 2021, 49, 383-388.	1.3	5
5	Analysis of Conventional Non-isolated Bidirectional Converters with Smooth Transient Operation. , 2021, , .		0
6	Comprehensive Design Methodology of Switch Stack in Pulsed Power Supply for EML. IEEE Transactions on Plasma Science, 2021, 49, 1489-1499.	1.3	2
7	Analysis of the Operation of a Synchronous-Reluctance-Motor-Driven Centrifugal Pump Under Frequent Voltage Dips. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 353-362.	3.9	1
8	A Reliable Microgrid Comprising Solar PV-WECS and Battery With Seamless Power Transfer Capability. IEEE Transactions on Industrial Electronics, 2021, 68, 9665-9674.	7.9	12
9	A novel space vector modulation-based transistor-clamped H bridge inverter-fed permanent magnet synchronous motor drive for electric vehicle applications. International Transactions on Electrical Energy Systems, 2021, 31, e12789.	1.9	7
10	Analysis on Performance Improvement of Current Maintainable Meat Grinder Driving a Railgun. IEEE Transactions on Plasma Science, 2021, 49, 3963-3969.	1.3	0
11	Position Sensor-Less Synchronous Reluctance Generator Based Grid-Tied Wind Energy Conversion System With Adaptive Observer Control. IEEE Transactions on Sustainable Energy, 2020, 11, 693-702.	8.8	11
12	Sensorless SynRG Based Variable Speed Wind Generator and Single-Stage Solar PV Array Integrated Grid System With Maximum Power Extraction Capability. IEEE Transactions on Industrial Electronics, 2020, 67, 7529-7539.	7.9	13
13	Low-Voltage Ride-Through of a Synchronous Generator-Based Variable Speed Grid-Interfaced Wind Energy Conversion System. IEEE Transactions on Industry Applications, 2020, 56, 752-762.	4.9	49
14	A Novel Electromagnetic Launcher Configuration With Improved System and Barrel Efficiencies. IEEE Transactions on Plasma Science, 2020, 48, 3429-3434.	1.3	6
15	Grid-Tied Battery Integrated Wind Energy Generation System With an Ability to Operate Under Adverse Grid Conditions. IEEE Transactions on Industry Applications, 2020, 56, 6882-6891.	4.9	4
16	A High-Performance Microgrid With a Mechanical Sensorless SynRG Operated Wind Energy Generating System. IEEE Transactions on Industrial Informatics, 2020, 16, 7349-7359.	11.3	8
17	An Improved Mode Transition Technique for a Non-Isolated Bidirectional DC-DC Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3093-3097.	3.0	6
18	Grid-Tied Battery Integrated Wind Energy Generation System with Ability to Operate Under Adverse Grid Conditions. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Impact of inductance variation on the operation of a synchronous reluctance motor connected to a weak grid. IET Electric Power Applications, 2020, 14, 1944-1955.	1.8	1
20	Non-isolated bidirectional DC-DC converters with multi-converter functionality employing novel start-up and mode transition techniques. IET Power Electronics, 2020, 13, 3110-3118.	2.1	4
21	Analysis of an Electromagnetic Railgun with Tapered Rails and Concave Armature using 3-D FEM. , 2019, , .		3
22	Analysis and implementation of a new method to retain the original speed and torque of synchronous reluctance motor during sustained voltage dip. IET Electric Power Applications, 2019, 13, 1365-1377.	1.8	4
23	REDUCED SWITCHING ANALYSIS-BASED SPACE VECTOR MODULATION ALGORITHM FOR MULTILEVEL INVERTERS. International Journal of Power and Energy Systems, 2019, 39, .	0.2	1
24	Design and Implementation of Sensorless Voltage Control of Front-End Rectifier for Power Quality Improvement in Telecom System. IEEE Transactions on Industry Applications, 2018, 54, 2438-2448.	4.9	28
25	A 20-Pulse Asymmetric Multiphase Staggering Autoconfigured Transformer For Power Quality Improvement. IEEE Transactions on Power Electronics, 2018, 33, 917-925.	7.9	56
26	Application of voltage multiplier in 12-pulse rectifier for sinusoidal input current. Electronics Letters, 2018, 54, 1266-1268.	1.0	3
27	Power Quality Improvement in Utility Interactive Based AC-DC Converter Using Harmonic Current Injection Technique. IEEE Transactions on Industry Applications, 2018, 54, 5355-5366.	4.9	9
28	Low voltage ride-through of a synchronous reluctance generator based variable speed wind energy conversion system. , 2018, , .		5
29	Standalone and grid connected operations of a SynRG based WECS with BESS. , 2018, , .		7
30	A Polynomial Current Controller for a Third-Harmonic Modulated Power Factor Correction Rectifier Feeding a Vector Controlled Induction Motor Drive. Electric Power Components and Systems, 2017, 45, 184-197.	1.8	3
31	Current injection based front-end power quality improved converter for telecom load. , 2016, , .		0
32	Power Factor Corrected Welding Power Supply Using Modified Zeta Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 617-625.	5.4	32
33	Three-Level NPC Inverter Based SVM-VCIMD with Feed-forward Active PFC Rectifier for Enhanced AC Mains Power Quality. IEEE Transactions on Industry Applications, 2015, , 1-1.	4.9	17
34	Static synchronous compensator-variable frequency drive for voltage and frequency control of small-hydro driven self-excited induction generators system. IET Generation, Transmission and Distribution, 2014, 8, 1528-1538.	2.5	30
35	Efficient voltage regulation scheme for three-phase self-excited induction generator feeding single-phase load in remote locations. IET Renewable Power Generation, 2014, 8, 100-108.	3.1	75
36	Design and implementation of dynamic electronic load controller for three-phase self-excited induction generator in remote small-hydro power generation. IET Renewable Power Generation, 2014, 8, 269-280.	3.1	37