

Nasser Ahmed Al-Emadi

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.

29
papers

709
citations

13
h-index

26
g-index

33
ext. papers

1,041
ext. citations

4.1
avg, IF

4.61
L-index

#	Paper	IF	Citations
29	Modelling, analysis, and implementation of a switched-inductor based DC/DC converter with reduced switch current stress. <i>IET Power Electronics</i> , 2021 , 14, 1504-1514	2.2	1
28	Automatic and Reliable Leaf Disease Detection Using Deep Learning Techniques. <i>AgriEngineering</i> , 2021 , 3, 294-312	2.2	19
27	A Novel Modified Switched Inductor Boost Converter With Reduced Switch Voltage Stress. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1275-1289	8.9	28
26	A New High Gain Active Switched Network-Based Boost Converter for DC Microgrid Application. <i>IEEE Access</i> , 2021 , 9, 68253-68265	3.5	7
25	Differential Flatness-Based Performance Enhancement of a Vector Controlled VSC With an LCL-Filter for Weak Grids. <i>IEEE Access</i> , 2021 , 9, 33557-33568	3.5	0
24	Transformer-less Boost Converter with Reduced Voltage Stress for High Voltage Step-Up Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	6
23	Double stage converter with low current stress for low to high voltage conversion in nanogrid. <i>Energy Reports</i> , 2021 , 7, 5710-5721	4.6	2
22	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
21	A Systematic Approach to the Design and Characterization of A Smart Insole for Detecting Vertical Ground Reaction Force (vGRF) in Gait Analysis. <i>Sensors</i> , 2020 , 20,	3.8	33
20	A novel control scheme for three-phase seven-level packed U-Cell based DSTATCOM. <i>Electric Power Systems Research</i> , 2020 , 182, 106201	3.5	4
19	Design, Construction and Testing of IoT Based Automated Indoor Vertical Hydroponics Farming Test-Bed in Qatar. <i>Sensors</i> , 2020 , 20,	3.8	13
18	Real-Time Smart-Digital Stethoscope System for Heart Diseases Monitoring. <i>Sensors</i> , 2019 , 19,	3.8	56
17	Simultaneous EEG-fMRI: Evaluating the Effect of the EEG Cap-Cabling Configuration on the Gradient Artifact. <i>Frontiers in Neuroscience</i> , 2019 , 13, 690	5.1	5
16	Mitigation of voltage imbalance in power distribution system using MPC-controlled packed-U-cells converter. <i>Energy Science and Engineering</i> , 2019 , 7, 1659-1668	3.4	2
15	Reference Layer Artefact Subtraction (RLAS): Electromagnetic Simulations. <i>IEEE Access</i> , 2019 , 7, 17882-17895	3.95	4
14	CMV reduction in a three-to-seven phase direct matrix converter using SVPWM. <i>IET Electric Power Applications</i> , 2019 , 13, 1219-1228	1.8	3
13	Real-Time Fault Detection and Identification for MMC Using 1-D Convolutional Neural Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8760-8771	8.9	87

12	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
11	2018 ,		7
10	Distance-differential protection of transmission lines connected to wind farms. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 89, 11-18	5.1	27
9	Review of optimization techniques applied for the integration of distributed generation from renewable energy sources. <i>Renewable Energy</i> , 2017 , 113, 266-280	8.1	225
8	Common mode voltage reduction in a three-to-five phase matrix converter fed induction motor drive. <i>IET Power Electronics</i> , 2017 , 10, 817-825	2.2	17
7	A novel DSTATCOM with 5-level CHB architecture and selective harmonic mitigation algorithm. <i>Electric Power Systems Research</i> , 2016 , 130, 251-258	3.5	12
6	Synchrophasor-based backup distance protection of multi-terminal transmission lines. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 3304-3313	2.5	20
5	A new tracking technique for mechanical angle measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 54, 58-64	4.6	23
4	2013 ,		3
3	A weighted real-time predictive controller for a grid connected flying capacitors inverter. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 49, 322-332	5.1	24
2	A New Low Cost Linear Resolver Converter. <i>IEEE Sensors Journal</i> , 2008 , 8, 1620-1627	4	46
1	A resolver converter based upon a novel open-loop technique 2008 ,		1