

Mohamed A Elgenedy

List of Publications by Year in descending order

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19
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citing authors

#	ARTICLE	IF	CITATIONS
1	Modified Variable Step-Size Incremental Conductance MPPT Technique for Photovoltaic Systems. Electronics (Switzerland), 2021, 10, 2331.	3.1	21
2	Unlocking the UK Continental Shelf Electrification Potential for Offshore Oil and Gas Installations: A Power Grid Architecture Perspective. Energies, 2021, 14, 7096.	3.1	4
3	A New DC-DC Converter Linking LCC-HVDC Transmission Networks. , 2021, , .		2
4	Current-Source Single-Phase Module Integrated Inverters for PV Grid-Connected Applications. IEEE Access, 2020, 8, 53082-53096.	4.2	21
5	Assessment of Multi-Use Offshore Platforms: Structure Classification and Design Challenges. Sustainability, 2020, 12, 1860.	3.2	19
6	DC-DC converter concept allowing line commutated converters and voltage source converters based HVDC systems connectivity. IET Power Electronics, 2020, 13, 3294-3304.	2.1	5
7	High-voltage pulse generator using sequentially charged full-bridge modular multilevel converter Sub-modules, for water treatment applications. Journal of Engineering, 2019, 2019, 4537-4544.	1.1	3
8	A Modular Multilevel Voltage-Boosting Marx Pulse-Waveform Generator for Electroporation Applications. IEEE Transactions on Power Electronics, 2019, 34, 10575-10589.	7.9	49
9	High-voltage pulse generator based on sequentially charged MMCs operating in a voltage-boost mode. IET Power Electronics, 2019, 12, 749-758.	2.1	4
10	Combined Temperature and Irradiation Effects on the Open Circuit Voltage and Short Circuit Current Constants for Enhancing their Related PV-MPPT Algorithms. , 2019, , .		7
11	Current-Source Modular Medium-Voltage Grid-Connected System With High-Frequency Isolation for Photovoltaic Applications. IEEE Transactions on Energy Conversion, 2019, 34, 255-266.	5.2	15
12	A Step-Up Modular High-Voltage Pulse Generator Based on Isolated Input-Parallel/Output-Series Voltage-Boosting Modules and Modular Multilevel Submodules. IEEE Transactions on Industrial Electronics, 2019, 66, 2207-2216.	7.9	26
13	A High-Gain, High-Voltage Pulse Generator Using Sequentially Charged Modular Multilevel Converter Submodules, for Water Disinfection Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1394-1406.	5.4	37
14	A Modular Multilevel Generic Pulse-Waveform Generator for Pulsed Electric Field Applications. IEEE Transactions on Plasma Science, 2017, 45, 2527-2535.	1.3	24
15	Full-Bridge Modular Multilevel Submodule-Based High-Voltage Bipolar Pulse Generator With Low-Voltage DC, Input for Pulsed Electric Field Applications. IEEE Transactions on Plasma Science, 2017, 45, 2857-2864.	1.3	37
16	A Transition Arm Modular Multilevel Universal Pulse-Waveform Generator for Electroporation Applications. IEEE Transactions on Power Electronics, 2017, 32, 8979-8991.	7.9	51
17	A Modular Multilevel-Based High-Voltage Pulse Generator for Water Disinfection Applications. IEEE Transactions on Plasma Science, 2016, 44, 2893-2900.	1.3	34
18	A Space Vector PWM Scheme for Five-Phase Current-Source Converters. IEEE Transactions on Industrial Electronics, 2016, 63, 562-573.	7.9	36

#	ARTICLE	IF	CITATIONS
19	An Improved Fault-Tolerant Five-Phase Induction Machine Using a Combined Star/Pentagon Single Layer Stator Winding Connection. IEEE Transactions on Industrial Electronics, 2016, 63, 618-628.	7.9	64