

# Gamal M Dousoky

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

415  
citations

1307594

7  
h-index

996975

15  
g-index

51  
all docs

51  
docs citations

51  
times ranked

393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Technical and economic analysis of different configurations of stand-alone hybrid renewable power systems â€” A case study. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 941-953.	16.4	63
2	FPGA-Based Spread-Spectrum Schemes for Conducted-Noise Mitigation in DCâ€”DC Power Converters: Design, Implementation, and Experimental Investigation. <i>IEEE Transactions on Industrial Electronics</i> , 2011, 58, 429-435.	7.9	53
3	Three-Phase Split-Source Inverter-Fed PV Systems: Analysis and Mitigation of Common-Mode Voltage. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 9824-9838.	7.9	26
4	An overheatingâ€”tolerant space vector modulation algorithm for multilevel inverters. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , 2016, 11, S75.	1.4	15
5	A novel FPGA implementation of a model predictive controller for SiC-based Quasi-Z-Source inverters. , 2014, , .		14
6	Current-sensorless MPPT with DC-DC boost converter for Photovoltaic battery chargers. , 2012, , .		13
7	New parameter for current-sensorless MPPT in grid-connected photovoltaic VSIs. <i>Solar Energy</i> , 2017, 143, 113-119.	6.1	13
8	MPPT schemes for single-stage three-phase grid-connected photovoltaic voltage-source inverters. , 2013, , .		11
9	A Novel Implementation of an FPGA-Based Controller for Conducted-Noise Reduction in Randomly Switched DC-DC Converters. , 2009, , .		10
10	Improved digital control scheme of synchronous rectification for resonant converter at light load conditions. , 2015, , .		10
11	Design and validation of SVPWM algorithm for thermal protection of T-type three-level inverters. , 2015, , .		10
12	Considerations for digital controllers targeted at conducted-noise spectrum-spreading in dc-dc converters. , 2010, , .		9
13	Parallel Operation of Split-Source Inverters for PV Systems: Analysis and Modulation for Circulating Current and EMI Noise Reduction. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 9547-9564.	7.9	9
14	Seismic Data Compression Using Deep Learning. <i>IEEE Access</i> , 2021, 9, 58161-58169.	4.2	9
15	Maximizing energy-efficiency in single-axis solar trackers for photovoltaic panels. , 2011, , .		8
16	Current-sensorless power-angle-based MPPT for single-stage grid-connected photovoltaic voltage-source inverters. , 2013, , .		8
17	Conducted noise reduction of totem-pole bridgeless PFC converter using GaN HEMTs. , 2015, , .		8
18	FPGA-based design and implementation of spread-spectrum schemes for conducted-noise reduction in DC-DC converters. , 2009, , .		7

#	ARTICLE	IF	CITATIONS
19	Double-hybrid spread-spectrum technique for conducted-EMI reduction in DC-DC switching regulators with FPGA-based controller. , 2009, , .		7
20	Increasing energy-efficiency in solar radiation trackers for photovoltaic arrays. , 2012, , .		7
21	Seamless dynamic model for bi-directional DC-DC converter. , 2013, , .		7
22	Reliability enhancement of multilevel inverters through SVPWM-based thermal management methodology. , 2015, , .		7
23	Design and implementation of fast PWM boost converter based on low cost microcontroller for photovoltaic systems. , 2015, , .		6
24	Lifetime-oriented SVPWM for thermally-overloaded power devices in three-level inverters. , 2015, , .		6
25	Modeling and Optimization of Impedance Balancing Technique for Common Mode Noise Attenuation in DC-DC Boost Converters. Electronics (Switzerland), 2020, 9, 480.	3.1	6
26	Evaluation of Electric Dynamic Performance of an Electric Vehicle System Using Different Control Techniques. Electronics (Switzerland), 2021, 10, 2586.	3.1	6
27	On factors affecting EMI-performance of conducted-noise-mitigating digital controllers in DC-DC convertersâ€”an experimental investigation. , 2010, , .		5
28	Droop control for bi-directional DC-DC converters used in multi-level virtual conductors. , 2015, , .		5
29	A unified SVM algorithm for lifetime prolongation of thermally-overheated power devices in multi-level inverters. , 2016, , .		5
30	Conducted-Noise Characteristics of a Digitally-Controlled Randomly-Switched DC-DC Converter with an FPGA-Based Implementation. Journal of Power Electronics, 2010, 10, 228-234.	1.5	5
31	A Double-Hybrid Spread-Spectrum Technique for EMI Mitigation in DC-DC Switching Regulators. Journal of Power Electronics, 2010, 10, 342-350.	1.5	5
32	An adaptive frequency hopping technique for conducted-noise reduction in dc-dc converters. , 2012, , .		4
33	Dual-mode controller for MPPT in single-stage grid-connected photovoltaic inverters. , 2013, , .		4
34	Partial resonant ac-link converters &#x2014; A review. , 2014, , .		4
35	Interleaved PWM Strategy for Common-Mode Leakage Current and EMI Noise Reduction of Paralleled Single-Stage DC-AC Converters. , 2020, , .		4
36	Improved Orientation Strategy for Energy-Efficiency in Photovoltaic Panels. Journal of Power Electronics, 2011, 11, 335-341.	1.5	4

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37	Seamless dynamic model for DC-DC converters applicable to bi-directional power transfer. , 2013, , .		3
38	On-the-analysis and reduction of common-mode voltage of a single-stage inverter through control of a four-leg-based topology. International Journal of Electrical Power and Energy Systems, 2021, 127, 106710.	5.5	3
39	On the behaviour of marine and tidal current converters with DC-DC boost converter. , 2012, , .		2
40	Single-phase ZVS AC-link inverter for PV-grid connection at MPPT operation. , 2014, , .		2
41	Single-phase ZVS bidirectional AC-link converter for EV batteries-grid integration. , 2014, , .		2
42	Dual feedback active damping method for grid-connected LCL filter resonance. , 2015, , .		2
43	New active damping method for LCL filter resonance based on two feedback system. , 2016, , .		2
44	A Comparative Investigation of Several Frequency Modulation Profiles for Programmed Switching Controllers Targeted Conducted-Noise Reduction in DC-DC Converters. IEICE Transactions on Communications, 2010, E93-B, 2265-2272.	0.7	2
45	Developed Common Mode Noise Modeling Approach for DC-DC Flyback Converters. IEEE Letters on EMC Practice and Applications, 2020, 2, 147-151.	1.1	2
46	Systematic design of grid-current-based active damping for grid-connected LCL filters. , 2017, , .		1
47	Performance Investigation of Power Inverter Components Submersed in Subcooled Liquid Nitrogen for Electric Aircraft. Electronics (Switzerland), 2022, 11, 826.	3.1	1
48	DSP-based simple and efficient synchronizer for three-phase grid-connected renewable energy systems. , 2013, , .		0
49	Robustness analysis for observer based active damping of LCL filter at different resonant frequencies. , 2015, , .		0
50	Performance evaluation of surge energy regenerative two-switch power supply with TEC values. , 2015, , .		0
51	An AC MPPT with Active/Reactive Power Control Feature for Single-Stage Three-Phase Grid-Connected Photovoltaic VSIs. Electric Power Components and Systems, 2017, 45, 442-450.	1.8	0