Jaleleddine Ben Hadj Slama

List of Publications by Year
in descending order

26 papers	788 citations	1039880 9 h-index	580701 25 g-index
26 all docs	26 docs citations	26 times ranked	864 citing authors

#	Article	IF	Citations
1	Open-Circuit Fault Detection and Isolation Method for Five-Level PUC Inverter Based on the Wavelet Packet Transform of the Radiated Magnetic Field. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	9
2	Electromagnetic interference–based comparative study between transformerless H5 and optimised H5 grid–connected photovoltaic inverters. IET Science, Measurement and Technology, 2021, 15, 343-351.	0.9	3
3	A Third-Order MAF Based QT1-PLL That is Robust Against Harmonically Distorted Grid Voltage With Frequency Deviation. IEEE Transactions on Energy Conversion, 2021, 36, 1600-1613.	3.7	23
4	Automatic PCB Layout Optimization of a DC-DC Converter Through Genetic Algorithm Regarding EMC Constraints. IEEE Access, 2021, 9, 149870-149882.	2.6	4
5	Conducted EMI mitigation in transformerless PV inverters based on intrinsic MOSFET parameters. Microelectronics Reliability, 2020, 114, 113876.	0.9	4
6	Electromagnetic Time Reversal in the Near Field: Characterization of Transient Disturbances in Power Electronics. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1869-1878.	1.4	5
7	Performance evaluation of a hybrid IP/SDN network in data centre network architectures. IET Communications, 2019, 13, 1185-1191.	1.5	2
8	Automotive decentralized diagnosis based on CAN real-time analysis. Journal of Systems Architecture, 2019, 98, 249-258.	2.5	11
9	Clamping diodes failure identification based on the discrete wavelet decomposition of the magnetic near–field. IET Power Electronics, 2019, 12, 1141-1148.	1.5	6
10	The effect of emotional analysis on the improvement of experimental e–learning systems. Computer Applications in Engineering Education, 2019, 27, 303-318.	2.2	7
11	Fault Detection Methods for Three-Level NPC Inverter Based on DC-Bus Electromagnetic Signatures. IEEE Transactions on Industrial Electronics, 2018, 65, 5224-5236.	5.2	78
12	Time domain inverse method based on the near field technique to solve electromagnetic interference problems: application to an AC/DC flyback converter. IET Power Electronics, 2018, 11, 2133-2139.	1.5	8
13	Conducted EMI evolution of power SiC MOSFET in a Buck converter after short-circuit aging tests. Microelectronics Reliability, 2018, 88-90, 219-224.	0.9	3
14	Design Optimization of Multiple-Layer PSCs With Minimal Losses for Efficient and Robust Inductive Wireless Power Transfer. IEEE Access, 2018, 6, 31924-31934.	2.6	19
15	Hour-ahead wind power forecast based on random forests. Renewable Energy, 2017, 109, 529-541.	4.3	256
16	Evolution study of the ElectroMagnetic Interference for RF LDMOS in series chopper application after thermal accelerated tests. Microelectronics Reliability, 2016, 64, 93-97.	0.9	3
17	Enhancement of Time-Domain Electromagnetic Inverse Method for Modeling Circuits Radiations. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 534-542.	1.4	20
18	Decode and Forward Relay-Assisted Power-Line Communication. Procedia Computer Science, 2015, 73, 209-216.	1.2	2

#	Article	IF	Citations
19	Evaluating Content-centric Communication Over Power Line Communication Infrastructure for Smart Grids. Procedia Computer Science, 2015, 73, 217-225.	1.2	6
20	Facial Expression Recognition for Intelligent Tutoring Systems in Remote Laboratories Platform. Procedia Computer Science, 2015, 73, 274-281.	1.2	40
21	Day-ahead load forecast using random forest and expert input selection. Energy Conversion and Management, 2015, 103, 1040-1051.	4.4	244
22	Experimental investigation on the evolution of a conducted-EMI buck converter after thermal aging tests of the MOSFET. Microelectronics Reliability, 2015, 55, 1391-1394.	0.9	9
23	Contribution of the PSO in the electromagnetic inverse method in terms of convergence and simplicity of implementation. Journal of Electromagnetic Waves and Applications, 2014, 28, 2339-2349.	1.0	4
24	Conducted and radiated EMI evolution of power RF N-LDMOS after accelerated ageing tests. Microelectronics Reliability, 2013, 53, 1793-1797.	0.9	17
25	IMPROVING CONVERGENCE TIME OF THE ELECTROMAGNETIC INVERSE METHOD BASED ON GENETIC ALGORITHM USING THE PZMI AND NEURAL NETWORK. Progress in Electromagnetics Research B, 2013, 51, 389-406.	0.7	5
26	Calculations of near-field emissions in frequency-domain into time-dependent data with arbitrary wave form transient perturbations. Advanced Electromagnetics, 2012, 1, 26.	0.7	0