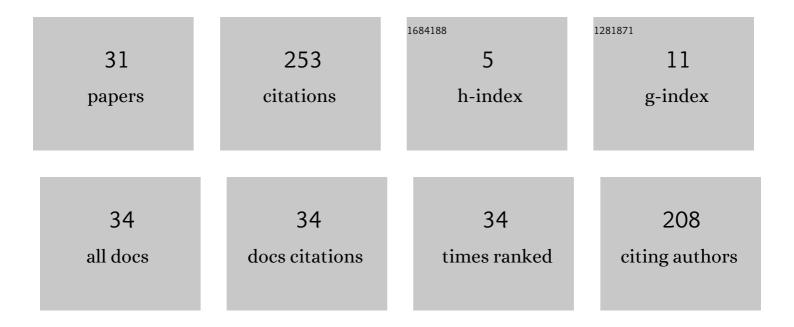
Alessandro Soldati

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Influence of impulse voltage repetition frequency on RPDIV in partial vacuum. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 873-882.	2.9	46
2	Nonlinear Model Predictive Control for Integrated Energy-Efficient Torque-Vectoring and Anti-Roll Moment Distribution. IEEE/ASME Transactions on Mechatronics, 2021, 26, 1212-1224.	5.8	33
3	Multistress Characterization of Fault Mechanisms in Aerospace Electric Actuators. IEEE Transactions on Industry Applications, 2017, 53, 1106-1115.	4.9	29
4	Strategies for Improving the Sustainability of Data Centers via Energy Mix, Energy Conservation, and Circular Energy. Sustainability, 2021, 13, 6114.	3.2	26
5	Electrification of a Compact Agricultural Tractor: A Successful Case Study. , 2019, , .		21
6	Electric-Vehicle Power Converters Model-Based Design-for-Reliability. CPSS Transactions on Power Electronics and Applications, 2018, 3, 102-110.	4.4	19
7	Thermal stress mitigation by Active Thermal Control: Architectures, models and specific hardware. , 2017, , .		13
8	Frequency-based control of a micro-grid with multiple renewable energy sources. , 2014, , .		12
9	Active thermal control by controlled shoot-through of power devices. , 2017, , .		8
10	Multistress characterization of insulation aging mechanisms in aerospace electric actuators. , 2015, , .		6
11	A voltage controlled power resistor circuit for active gate driving of wide-bandgap power devices. , 2015, , .		6
12	Active thermal control for reliability improvement of MOS-gated power devices. , 2017, , .		6
13	Device-Sensor Assembly FEA Modeling to Support Kalman-Filter-Based Junction Temperature Monitoring. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1736-1747.	5.4	5
14	Bidirectional Bootstrapped Gate Driver for High-Density SiC-Based Automotive DC/DC Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 475-485.	5.4	4
15	Induction Machines with Rotor Faults: Analysis of the Physical Quantities for Different Operating Conditions and Machine Sizes for Improved Diagnostics. , 2018, , .		2
16	Lightweight dynamic vehicle models oriented to vehicle electrification. International Journal of Vehicle Performance, 2019, 5, 40.	0.4	2
17	Optimal Control of Domestic Storage via MPC: the Impact of the Prediction of User Habits, including Power Market and Battery Degradation. , 2020, , .		2
	Parallel Operation of Voltage Source Converters without Filter Inductors: Control of the		

Parallel Operation of Voltage Source Converters without Filter Inductors: Control of the Circulating Current., 2020,,.

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#	Article	IF	CITATIONS
19	Model-Based Design of a Pseudo-Cogenerative Heating System for e-Boat Battery Cold Start. Energies, 2021, 14, 1022.	3.1	2
20	Comparing control topologies for wide-bandgap power-device drivers: A simulation study. , 2015, , .		1
21	Implementing discrete PID controllers: Benchmarking manual vs. Automatic generation of embedded code. , 2016, , .		1
22	Wavelet-based prognostic-oriented temperature sensing with sigma-delta ADCs in power applications. , 2017, , .		1
23	Soft-Body Modeling: A Scalable and Efficient Formulation for Control-Oriented Simulation of Electric Vehicles. , 2019, , .		1
24	Design and Control of High-Density High-Voltage Smart Converter for Food Ohmic Heating. IEEE Transactions on Industry Applications, 2019, 55, 7712-7725.	4.9	1
25	In-circuit Shoot-through-based Characterization of SiC MOSFET TSEP Curves for Junction Temperature Estimation. , 2020, , .		1
26	In-Place Characterization of On-State Voltage for SiC MOSFETs: Controlled Shoot-Through vs. Film Heater. Electronics (Switzerland), 2021, 10, 2745.	3.1	1
27	Design of a control unit for advanced gate drivers featuring adaptive dead-time and diagnostics. , 2015, , .		Ο
28	A fast and lightweight dynamics model oriented to electric vehicle design. , 2017, , .		0
29	General Magnetic Model for the Analysis and Optimization of Multiple Barrier Rotors. , 2018, , .		Ο
30	Saliency-Enhanced Spoke-Type Rotor Geometry for Permanent Magnet Volume Reduction in Hybrid and Electric Vehicle Motors. , 2018, , .		0
31	Assessing the Economic Feasibility of PV-BESS Systems in Connection with Pandemic-induced Loads. , 2021, , .		Ο