# Alessandro Soldati

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1275072/publications.pdf

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| 31 | 253 | 1684188 5 | 1281871 11 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 34 | 34 | 34 | 208 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | 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 |
| 18 | Parallel Operation of Voltage Source Converters without Filter Inductors: Control of the Circulating Current. , 2020, , . | | 2 |

| # | 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, , . | | 0 |
| 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, , . | | 0 |
| 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, , . | | 0 |