

Fabio Mandrile

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6113653/publications.pdf>

Version: 2024-02-01

29
papers

293
citations

933447

10
h-index

996975

15
g-index

29
all docs

29
docs citations

29
times ranked

138
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A comprehensive comparison of Virtual Synchronous Generators with focus on virtual inertia and frequency regulation. <i>Electric Power Systems Research</i> , 2021, 201, 107516. | 3.6 | 46 |
| 2 | Grid-Feeding Inverter With Simplified Virtual Synchronous Compensator Providing Grid Services and Grid Support. <i>IEEE Transactions on Industry Applications</i> , 2021, 57, 559-569. | 4.9 | 28 |
| 3 | Electric Vehicle Ultra-Fast Battery Chargers: A Boost for Power System Stability?. <i>World Electric Vehicle Journal</i> , 2021, 12, 16. | 3.0 | 22 |
| 4 | Low-Voltage GaN FETs in Motor Control Application; Issues and Advantages: A Review. <i>Energies</i> , 2021, 14, 6378. | 3.1 | 22 |
| 5 | Iterative Design of a 60 kW All-Si Modular LLC Converter for Electric Vehicle Ultra-Fast Charging. , 2020, , . | | 16 |
| 6 | Modular Stator Flux and Torque Control of Multi-Three-Phase Induction Motor Drives. <i>IEEE Transactions on Industry Applications</i> , 2020, 56, 6507-6525. | 4.9 | 14 |
| 7 | Full Digital Control and Multi-Loop Tuning of a Three-Level T-Type Rectifier for Electric Vehicle Ultra-Fast Battery Chargers. <i>Electronics (Switzerland)</i> , 2021, 10, 1453. | 3.1 | 14 |
| 8 | Design Space Optimization of a Three-Phase LCL Filter for Electric Vehicle Ultra-Fast Battery Charging. <i>Energies</i> , 2021, 14, 1303. | 3.1 | 13 |
| 9 | Virtual Synchronous Generator with Simplified Single-Axis Damper Winding. , 2019, , . | | 12 |
| 10 | Three-Legs Interleaved Boost Power Factor Corrector for High-Power LED Lighting Application. <i>Energies</i> , 2020, 13, 1728. | 3.1 | 12 |
| 11 | Modular Stator Flux and Torque Control of Multiphase Induction Motor Drives. , 2019, , . | | 10 |
| 12 | Optimal Design of Grid-Side LCL Filters for Electric Vehicle Ultra-Fast Battery Chargers. , 2020, , . | | 10 |
| 13 | State-Space Modeling Techniques of Emerging Grid-Connected Converters. <i>Energies</i> , 2020, 13, 4824. | 3.1 | 10 |
| 14 | Full Digital Control of an All-Si On-Board Charger Operating in Discontinuous Conduction Mode. <i>Electronics (Switzerland)</i> , 2021, 10, 203. | 3.1 | 10 |
| 15 | Grid-Tied Inverter with Simplified Virtual Synchronous Compensator for Grid Services and Grid Support. , 2019, , . | | 9 |
| 16 | Design of Common DC-Link Capacitor in Multiple-Drive System Based on Reduced DC-Link Current Harmonics Modulation. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 9703-9717. | 7.9 | 8 |
| 17 | Simple Tuning Method of Virtual Synchronous Generators Reactive Control. , 2020, , . | | 7 |
| 18 | VSG Simplified Damper Winding: Design Guidelines. , 2019, , . | | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Definition and Experimental Validation of a Second-Order Thermal Model for Electrical Machines. IEEE Transactions on Industry Applications, 2021, 57, 5969-5982. | 4.9 | 4 |
| 20 | Three-Level Unidirectional Rectifiers under Non-Unity Power Factor Operation and Unbalanced Split DC-Link Loading: Analytical and Experimental Assessment. Energies, 2021, 14, 5280. | 3.1 | 4 |
| 21 | Stator Winding Second-Order Thermal Model including End-Winding Thermal Effects. Energies, 2021, 14, 6578. | 3.1 | 3 |
| 22 | A Lead-Lag Filter for Virtual Synchronous Machines with Improved Electromechanical Damping. , 2021, , . | | 3 |
| 23 | Assessing the Effectiveness of the Test of Power Devices at the Board Level. , 2019, , . | | 2 |
| 24 | Soft Switching Full-Bridge Isolated Circuit Solution for Auxiliary Power Supply in Power Converter Systems. , 2019, , . | | 2 |
| 25 | H-Bridge Converter as Power Electronics Workbench: An Effective Teaching Case of Learning by Doing. , 2019, , . | | 2 |
| 26 | Soft-Switching Full-Bridge Topology with AC Distribution Solution in Power Convertersâ€™ Auxiliary Power Supplies. Electronics (Switzerland), 2022, 11, 884. | 3.1 | 2 |
| 27 | Battery Sources and Power Converters Interface in Waterborne Transport Applications. , 2021, , . | | 2 |
| 28 | Fully MCU-Based DCM Control of On-Board Charger. , 2019, , . | | 1 |
| 29 | Very Low Input Voltage Synchronous Coupled Inductor Boost Converter with High Performance Power MOSFETs. , 2018, , . | | 0 |