

Fabio Mandrile

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Design of Common DC-Link Capacitor in Multiple-Drive System Based on Reduced DC-Link Current Harmonics Modulation. IEEE Transactions on Power Electronics, 2022, 37, 9703-9717.	7.9	8
2	Soft-Switching Full-Bridge Topology with AC Distribution Solution in Power Converters's Auxiliary Power Supplies. Electronics (Switzerland), 2022, 11, 884.	3.1	2
3	Grid-Feeding Inverter With Simplified Virtual Synchronous Compensator Providing Grid Services and Grid Support. IEEE Transactions on Industry Applications, 2021, 57, 559-569.	4.9	28
4	Full Digital Control of an All-Si On-Board Charger Operating in Discontinuous Conduction Mode. Electronics (Switzerland), 2021, 10, 203.	3.1	10
5	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
6	Design Space Optimization of a Three-Phase LCL Filter for Electric Vehicle Ultra-Fast Battery Charging. Energies, 2021, 14, 1303.	3.1	13
7	Full Digital Control and Multi-Loop Tuning of a Three-Level T-Type Rectifier for Electric Vehicle Ultra-Fast Battery Chargers. Electronics (Switzerland), 2021, 10, 1453.	3.1	14
8	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
9	A comprehensive comparison of Virtual Synchronous Generators with focus on virtual inertia and frequency regulation. Electric Power Systems Research, 2021, 201, 107516.	3.6	46
10	Electric Vehicle Ultra-Fast Battery Chargers: A Boost for Power System Stability?. World Electric Vehicle Journal, 2021, 12, 16.	3.0	22
11	Stator Winding Second-Order Thermal Model including End-Winding Thermal Effects. Energies, 2021, 14, 6578.	3.1	3
12	Low-Voltage GaN FETs in Motor Control Application; Issues and Advantages: A Review. Energies, 2021, 14, 6378.	3.1	22
13	A Lead-Lag Filter for Virtual Synchronous Machines with Improved Electromechanical Damping. , 2021, , .		3
14	Battery Sources and Power Converters Interface in Waterborne Transport Applications. , 2021, , .		2
15	Optimal Design of Grid-Side LCL Filters for Electric Vehicle Ultra-Fast Battery Chargers. , 2020, , .		10
16	Modular Stator Flux and Torque Control of Multi-Three-Phase Induction Motor Drives. IEEE Transactions on Industry Applications, 2020, 56, 6507-6525.	4.9	14
17	State-Space Modeling Techniques of Emerging Grid-Connected Converters. Energies, 2020, 13, 4824.	3.1	10
18	Three-Legs Interleaved Boost Power Factor Corrector for High-Power LED Lighting Application. Energies, 2020, 13, 1728.	3.1	12

#	ARTICLE	IF	CITATIONS
19	Iterative Design of a 60 kW All-Si Modular LLC Converter for Electric Vehicle Ultra-Fast Charging. , 2020, , .		16
20	Simple Tuning Method of Virtual Synchronous Generators Reactive Control. , 2020, , .		7
21	Virtual Synchronous Generator with Simplified Single-Axis Damper Winding. , 2019, , .		12
22	Modular Stator Flux and Torque Control of Multiphase Induction Motor Drives. , 2019, , .		10
23	Assessing the Effectiveness of the Test of Power Devices at the Board Level. , 2019, , .		2
24	Fully MCU-Based DCM Control of On-Board Charger. , 2019, , .		1
25	Soft Switching Full-Bridge Isolated Circuit Solution for Auxiliary Power Supply in Power Converter Systems. , 2019, , .		2
26	VSG Simplified Damper Winding: Design Guidelines. , 2019, , .		5
27	H-Bridge Converter as Power Electronics Workbench: An Effective Teaching Case of Learning by Doing. , 2019, , .		2
28	Grid-Tied Inverter with Simplified Virtual Synchronous Compensator for Grid Services and Grid Support. , 2019, , .		9
29	Very Low Input Voltage Synchronous Coupled Inductor Boost Converter with High Performance Power MOSFETs. , 2018, , .		0