Mariacarmela Dipiazza

List of Publications by Year in Descending Order

47	896	18	29
papers	citations	h-index	g-index
51	1,091	3.7	4.4
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
47	Effect of Daily Forecasting Frequency on Rolling-Horizon-Based EMS Reducing Electrical Demand Uncertainty in Microgrids. *Energies*, **2021**, 14, 1598	3.1	0
46	Modeling and Performance Assessment of the Split-Pi Used as a Storage Converter in All the Possible DC Microgrid Scenarios. Part I: Theoretical Analysis. *Energies*, **2021**, 14, 4902	3.1	3
45	Modeling and Performance Assessment of the Split-Pi Used as a Storage Converter in All the Possible DC Microgrid Scenarios. Part II: Simulation and Experimental Results. *Energies*, **2021**, 14, 5616	3.1	3
44	An Evolutionary EMI Filter Design Approach Based on In-Circuit Insertion Loss and Optimization of Power Density. *Energies*, **2020**, 13, 1957	3.1	0
43	Analytical Formulation of a Maximum Torque per Ampere (MTPA) Technique for SynRMs Considering the Magnetic Saturation. *IEEE Transactions on Industry Applications*, **2020**, 1-1	4.3	10
42	CNR-Fincantieri Joint Projects: A Successful Example of Collaboration between Research and Industry Based on the Open Innovation Approach. *Journal of Open Innovation: Technology, Market, and Complexity*, **2020**, 6, 15	3.7	1
41	Growing Neural Gas-based Maximum Torque per Ampere (MTPA) Technique for SynRMs **2020**,		1
40	Development of a High-Performance, FPGA-Based Virtual Anemometer for Model-Based MPPT of Wind Generators. *Electronics (Switzerland)*, **2020**, 9, 83	2.6	2
39	Towards the Real-World Deployment of a Smart Home EMS: A DP Implementation on the Raspberry Pi. *Applied Sciences (Switzerland)*, **2019**, 9, 2120	2.6	9
38	. *IEEE Transactions on Industry Applications*, **2019**, 55, 1561-1573	4.3	3
37	Development of a Forecasting Module based on Tensorflow for Use in Energy Management Systems **2019**,		2
36	Improving Grid Integration of Hybrid PV-Storage Systems Through a Suitable Energy Management Strategy. *IEEE Transactions on Industry Applications*, **2019**, 55, 60-68	4.3	12
35	Online Identification of Photovoltaic Source Parameters by Using a Genetic Algorithm. *Applied Sciences (Switzerland)*, **2018**, 8, 9	2.6	9
34	Automatic EMI Filter Design for Power Electronic Converters Oriented to High Power Density. *Electronics (Switzerland)*, **2018**, 7, 9	2.6	19
33	A Prototype of Wireless Sensor for Data Acquisition in Energy Management Systems **2018**,		2
32	Translation of the Single-Diode PV Model Parameters Identified by Using Explicit Formulas. *IEEE Journal of Photovoltaics*, **2017**, 7, 1009-1016	3.7	38
31	. *IEEE Transactions on Industry Applications*, **2017**, 53, 3696-3706	4.3	18

30	Techniques for efficiency improvement in PWM motor drives. *Electric Power Systems Research*, **2016**, 136, 270-280	3.5	17
29	Design and Performance Evaluation of a High Power-Density EMI Filter for PWM Inverter-Fed Induction-Motor Drives. *IEEE Transactions on Industry Applications*, **2016**, 52, 2397-2404	4.3	50
28	Solar and wind forecasting by NARX neural networks. *Renewable Energy and Environmental Sustainability*, **2016**, 1, 39	2.5	30
27	. *IEEE Transactions on Electromagnetic Compatibility*, **2014**, 56, 1067-1076	2	31
26	Photovoltaic Sources. *Green Energy and Technology*, **2013**,	0.6	31
25	Intelligent power conversion system management for photovoltaic generation. *Sustainable Energy Technologies and Assessments*, **2013**, 2, 19-30	4.7	15
24	Photovoltaic Source Models. *Green Energy and Technology*, **2013**, 55-81	0.6	
23	Parameter Identification for Photovoltaic Source Models. *Green Energy and Technology*, **2013**, 83-129	0.6	4
22	Photovoltaic Source Emulation. *Green Energy and Technology*, **2013**, 173-202	0.6	1
21	. *IEEE Journal of Photovoltaics*, **2013**, 3, 799-806	3.7	31
20	Feedback Control of the DC/DC Converters for PV Source Emulation. *Green Energy and Technology*, **2013**, 253-296	0.6	
19	Benchmarking of PWM techniques effects on efficiency, power quality and EMI in DC-supplied induction motor drives **2013**,		4
18	EMI Analysis in Electrical Drives Under Lightning Surge Conditions. *IEEE Transactions on Electromagnetic Compatibility*, **2012**, 54, 850-859	2	7
17	. *IEEE Transactions on Industrial Electronics*, **2011**, 58, 5142-5153	8.9	32
16	An Optimized Feedback Common Mode Active Filter for Vehicular Induction Motor Drives. *IEEE Transactions on Power Electronics*, **2011**, 26, 3153-3162	7.2	39
15	Environmental data processing by clustering methods for energy forecast and planning. *Renewable Energy*, **2011**, 36, 1063-1074	8.1	19
14	A growing neural gas network based MPPT technique for multi-string PV plants **2010**,		3
13	. *IEEE Transactions on Industry Applications*, **2010**, 46, 2501-2510	4.3	47

12	Effects of Common-Mode Active Filtering in Induction Motor Drives for Electric Vehicles. *IEEE Transactions on Vehicular Technology*, **2010**, 59, 2664-2673	6.8	32
11	Photovoltaic field emulation including dynamic and partial shadow conditions. *Applied Energy*, **2010**, 87, 814-823	10.7	84
10	Design of Grid-Side Electromagnetic Interference Filters in AC Motor Drives With Motor-Side Common Mode Active Compensation. *IEEE Transactions on Electromagnetic Compatibility*, **2009**, 51, 673-682	2	27
9	Real-time simulation of photovoltaic arrays by growing neural gas controlled DC-DC converter. *Power Electronics Specialist Conference (PESC), IEEE*, **2008**,		10
8	Fuzzified PI voltage control for boost converters in multi-string PV plants **2008**,		10
7	An Improved Active Common-Mode Voltage Compensation Device for Induction Motor Drives. *IEEE Transactions on Industrial Electronics*, **2008**, 55, 1823-1834	8.9	68
6	Real time simulation of renewable sources by model-based control of DC/DC converters **2008**,		26
5	Design and Experimental Implementation Issues for Common Mode Compensation Devices in PWM Induction Motor Drives **2007**,		3
4	Evaluation of Radiated EMI in 42-V Vehicle Electrical Systems by FDTD Simulation. *IEEE Transactions on Vehicular Technology*, **2007**, 56, 1477-1484	6.8	21
3	Numerical simulation of radiated EMI in 42 V electrical automotive architectures. *IEEE Transactions on Magnetics*, **2006**, 42, 879-882	2	10
2	Evaluation of Common Mode Disturbance Mitigation Devices in AC Motor Drives through HF Modelling **2006**,		12
1	A technique for power supply harmonic impedance estimation using a controlled voltage disturbance. *IEEE Transactions on Power Electronics*, **2002**, 17, 207-215	7.2	100