

# Mariacarmela Dipiazza

## List of Publications by Citations

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47  
papers

896  
citations

18  
h-index

29  
g-index

51  
ext. papers

1,091  
ext. citations

3.7  
avg, IF

4.4  
L-index

#	Paper	IF	Citations
47	A technique for power supply harmonic impedance estimation using a controlled voltage disturbance. <i>IEEE Transactions on Power Electronics</i> , <b>2002</b> , 17, 207-215	7.2	100
46	Photovoltaic field emulation including dynamic and partial shadow conditions. <i>Applied Energy</i> , <b>2010</b> , 87, 814-823	10.7	84
45	An Improved Active Common-Mode Voltage Compensation Device for Induction Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2008</b> , 55, 1823-1834	8.9	68
44	Design and Performance Evaluation of a High Power-Density EMI Filter for PWM Inverter-Fed Induction-Motor Drives. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2397-2404	4.3	50
43	. <i>IEEE Transactions on Industry Applications</i> , <b>2010</b> , 46, 2501-2510	4.3	47
42	An Optimized Feedback Common Mode Active Filter for Vehicular Induction Motor Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2011</b> , 26, 3153-3162	7.2	39
41	Translation of the Single-Diode PV Model Parameters Identified by Using Explicit Formulas. <i>IEEE Journal of Photovoltaics</i> , <b>2017</b> , 7, 1009-1016	3.7	38
40	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 5142-5153	8.9	32
39	Effects of Common-Mode Active Filtering in Induction Motor Drives for Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2010</b> , 59, 2664-2673	6.8	32
38	Photovoltaic Sources. <i>Green Energy and Technology</i> , <b>2013</b> ,	0.6	31
37	. <i>IEEE Journal of Photovoltaics</i> , <b>2013</b> , 3, 799-806	3.7	31
36	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2014</b> , 56, 1067-1076	2	31
35	Solar and wind forecasting by NARX neural networks. <i>Renewable Energy and Environmental Sustainability</i> , <b>2016</b> , 1, 39	2.5	30
34	Design of Grid-Side Electromagnetic Interference Filters in AC Motor Drives With Motor-Side Common Mode Active Compensation. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2009</b> , 51, 673-682		27
33	Real time simulation of renewable sources by model-based control of DC/DC converters <b>2008</b> ,		26
32	Evaluation of Radiated EMI in 42-V Vehicle Electrical Systems by FDTD Simulation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2007</b> , 56, 1477-1484	6.8	21
31	Automatic EMI Filter Design for Power Electronic Converters Oriented to High Power Density. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 9	2.6	19

30	Environmental data processing by clustering methods for energy forecast and planning. <i>Renewable Energy</i> , <b>2011</b> , 36, 1063-1074	8.1	19
29	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 3696-3706	4.3	18
28	Techniques for efficiency improvement in PWM motor drives. <i>Electric Power Systems Research</i> , <b>2016</b> , 136, 270-280	3.5	17
27	Intelligent power conversion system management for photovoltaic generation. <i>Sustainable Energy Technologies and Assessments</i> , <b>2013</b> , 2, 19-30	4.7	15
26	Evaluation of Common Mode Disturbance Mitigation Devices in AC Motor Drives through HF Modelling <b>2006</b> ,		12
25	Improving Grid Integration of Hybrid PV-Storage Systems Through a Suitable Energy Management Strategy. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 60-68	4.3	12
24	Analytical Formulation of a Maximum Torque per Ampere (MTPA) Technique for SynRMs Considering the Magnetic Saturation. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4.3	10
23	Real-time simulation of photovoltaic arrays by growing neural gas controlled DC-DC converter. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , <b>2008</b> ,		10
22	Fuzzified PI voltage control for boost converters in multi-string PV plants <b>2008</b> ,		10
21	Numerical simulation of radiated EMI in 42 V electrical automotive architectures. <i>IEEE Transactions on Magnetics</i> , <b>2006</b> , 42, 879-882	2	10
20	Towards the Real-World Deployment of a Smart Home EMS: A DP Implementation on the Raspberry Pi. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2120	2.6	9
19	Online Identification of Photovoltaic Source Parameters by Using a Genetic Algorithm. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 9	2.6	9
18	EMI Analysis in Electrical Drives Under Lightning Surge Conditions. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2012</b> , 54, 850-859	2	7
17	Parameter Identification for Photovoltaic Source Models. <i>Green Energy and Technology</i> , <b>2013</b> , 83-129	0.6	4
16	Benchmarking of PWM techniques effects on efficiency, power quality and EMI in DC-supplied induction motor drives <b>2013</b> ,		4
15	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 1561-1573	4.3	3
14	A growing neural gas network based MPPT technique for multi-string PV plants <b>2010</b> ,		3
13	Design and Experimental Implementation Issues for Common Mode Compensation Devices in PWM Induction Motor Drives <b>2007</b> ,		3

12	Modeling and Performance Assessment of the Split-Pi Used as a Storage Converter in All the Possible DC Microgrid Scenarios. Part I: Theoretical Analysis. <i>Energies</i> , <b>2021</b> , 14, 4902	3.1	3
11	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. <i>Energies</i> , <b>2021</b> , 14, 5616	3.1	3
10	Development of a High-Performance, FPGA-Based Virtual Anemometer for Model-Based MPPT of Wind Generators. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 83	2.6	2
9	Development of a Forecasting Module based on Tensorflow for Use in Energy Management Systems <b>2019</b> ,		2
8	A Prototype of Wireless Sensor for Data Acquisition in Energy Management Systems <b>2018</b> ,		2
7	CNR-Bincantieri Joint Projects: A Successful Example of Collaboration between Research and Industry Based on the Open Innovation Approach. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , <b>2020</b> , 6, 15	3.7	1
6	Photovoltaic Source Emulation. <i>Green Energy and Technology</i> , <b>2013</b> , 173-202	0.6	1
5	Growing Neural Gas-based Maximum Torque per Ampere (MTPA) Technique for SynRMs <b>2020</b> ,		1
4	An Evolutionary EMI Filter Design Approach Based on In-Circuit Insertion Loss and Optimization of Power Density. <i>Energies</i> , <b>2020</b> , 13, 1957	3.1	0
3	Effect of Daily Forecasting Frequency on Rolling-Horizon-Based EMS Reducing Electrical Demand Uncertainty in Microgrids. <i>Energies</i> , <b>2021</b> , 14, 1598	3.1	0
2	Photovoltaic Source Models. <i>Green Energy and Technology</i> , <b>2013</b> , 55-81	0.6	
1	Feedback Control of the DC/DC Converters for PV Source Emulation. <i>Green Energy and Technology</i> , <b>2013</b> , 253-296	0.6	