

# Fabio Di Napoli

## List of Publications by Year in descending order

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12  
papers

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citations

1163117

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1588992

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12  
docs citations

12  
times ranked

507  
citing authors

#	ARTICLE	IF	CITATIONS
1	An FPGA-Based Advanced Control Strategy of a Grid-Tied PV CHB Inverter. IEEE Transactions on Power Electronics, 2016, 31, 806-816.	7.9	117
2	A modified bypass circuit for improved hot spot reliability of solar panels subject to partial shading. Solar Energy, 2016, 134, 211-218.	6.1	103
3	Monitoring and Diagnostics of PV Plants by a Wireless Self-Powered Sensor for Individual Panels. IEEE Journal of Photovoltaics, 2016, 6, 286-294.	2.5	83
4	An automated high-granularity tool for a fast evaluation of the yield of PV plants accounting for shading effects. Renewable Energy, 2015, 83, 294-304.	8.9	39
5	On-Line Junction Temperature Monitoring of Switching Devices with Dynamic Compact Thermal Models Extracted with Model Order Reduction. Energies, 2017, 10, 189.	3.1	31
6	Accurate Maximum Power Tracking in Photovoltaic Systems Affected by Partial Shading. International Journal of Photoenergy, 2015, 2015, 1-10.	2.5	30
7	Maximum Power Point Tracking Algorithm for Grid-Tied Photovoltaic Cascaded H-Bridge Inverter. Electric Power Components and Systems, 2015, 43, 951-963.	1.8	22
8	Three-Phase PV CHB Inverter for a Distributed Power Generation System. Applied Sciences (Switzerland), 2016, 6, 287.	2.5	17
9	FPGA implementation of an adaptive modulation method for a three-phase grid-tied PV CHB inverter. , 2015, , .		7
10	Effective control strategy for photovoltaic cascaded H-bridge inverters developed on FPGA platform. , 2015, , .		3
11	Dynamic reconfiguration of solar systems for avoiding MPPT faults due to architectural partial shading. , 2015, , .		3
12	Real time monitoring of solar fields with cost/revenue analysis of fault fixing. , 2016, , .		1