

Alberto Dolara

List of Publications by Year in descending order

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54
papers

2,173
citations

361413

20
h-index

454955

30
g-index

54
all docs

54
docs citations

54
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	Outdoor Performance of Organic Photovoltaics: Comparative Analysis. <i>Energies</i> , 2022, 15, 1620.	3.1	7
2	Performance Assessment of Mismatch Mitigation Methodologies Using Field Data in Solar Photovoltaic Systems. <i>Electronics (Switzerland)</i> , 2022, 11, 1938.	3.1	3
3	Design of a Resonant Converter for a Regenerative Braking System Based on Ultracap Storage for Application in a Formula SAE Single-Seater Electric Racing Car. <i>Electronics (Switzerland)</i> , 2021, 10, 161.	3.1	3
4	Outdoor Assessment and Performance Evaluation of OPV Modules. <i>IEEE Journal of Photovoltaics</i> , 2021, 11, 391-399.	2.5	8
5	Hybrid PV Power Forecasting Methods: A Comparison of Different Approaches. <i>Energies</i> , 2021, 14, 451.	3.1	26
6	Improved PSO: A Comparative Study in MPPT Algorithm for PV System Control under Partial Shading Conditions. <i>Energies</i> , 2020, 13, 2035.	3.1	43
7	Design and Performance Analysis of Pads for Dynamic Wireless Charging of EVs using the Finite Element Method. <i>Energies</i> , 2019, 12, 4139.	3.1	21
8	Battery Energy Storage System and Improved Communication Topology for Enhancing Power Quality of Microgrid. , 2019, , .		0
9	Day-Ahead Photovoltaic Forecasting: A Comparison of the Most Effective Techniques. <i>Energies</i> , 2019, 12, 1621.	3.1	131
10	Experimental validation of a model for PV systems under partial shading for building integrated applications. <i>Solar Energy</i> , 2019, 183, 356-370.	6.1	31
11	Validation of ANN Training Approaches for Day-Ahead Photovoltaic Forecasts. , 2018, , .		12
12	Analysis of Photovoltaic Five-Parameter Model. , 2018, , .		1
13	Comparison of Training Approaches for Photovoltaic Forecasts by Means of Machine Learning. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 228.	2.5	46
14	An Evolutionary-Based MPPT Algorithm for Photovoltaic Systems under Dynamic Partial Shading. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 558.	2.5	35
15	Analysis and validation of 24 hours ahead neural network forecasting of photovoltaic output power. <i>Mathematics and Computers in Simulation</i> , 2017, 131, 88-100.	4.4	221
16	Analysis of Electrodynamics Forces in Switching Devices for Railway Applications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017, 7, 901-911.	2.5	2
17	Physical and hybrid methods comparison for the day ahead PV output power forecast. <i>Renewable Energy</i> , 2017, 113, 11-21.	8.9	150
18	Survey on PV Modulesâ€™ Common Faults After an O&M Flight Extensive Campaign Over Different Plants in Italy. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 810-816.	2.5	78

#	ARTICLE	IF	CITATIONS
19	Optimal playing of electric vehicle charging stations. , 2017, , .		2
20	Optimization Models for Islanded Micro-Grids: A Comparative Analysis between Linear Programming and Mixed Integer Programming. Energies, 2017, 10, 241.	3.1	29
21	Snail Trails and Cell Microcrack Impact on PV Module Maximum Power and Energy Production. IEEE Journal of Photovoltaics, 2016, 6, 1269-1277.	2.5	72
22	Optimal management algorithm for battery energy storage system included in an islanded Micro-Grid. , 2016, , .		10
23	Experimental comparison of MPPT methods for PV systems under dynamic partial shading conditions. , 2016, , .		8
24	Image resolution and defects detection in PV inspection by unmanned technologies. , 2016, , .		27
25	E-campus: The "sustabilization" of engineering Bovisa Campus. , 2016, , .		1
26	PV hourly day-ahead power forecasting in a micro grid context. , 2016, , .		8
27	Efficiency analysis of PV power plants shaded by MV overhead lines. International Journal of Energy and Environmental Engineering, 2016, 7, 115-123.	2.5	16
28	Comparison of different physical models for PV power output prediction. Solar Energy, 2015, 119, 83-99.	6.1	268
29	A Physical Hybrid Artificial Neural Network for Short Term Forecasting of PV Plant Power Output. Energies, 2015, 8, 1138-1153.	3.1	152
30	Hybrid Structure and Fuzzy Logic High Precision Control for Non-Geostationary Satellite Antenna Tracking. International Journal on Communications Antenna and Propagation, 2015, 5, 290.	0.3	0
31	Case study of lights energy saving. , 2014, , .		3
32	Urban Scale Photovoltaic Charging Stations for Electric Vehicles. IEEE Transactions on Sustainable Energy, 2014, 5, 1234-1241.	8.8	98
33	Harmonic analysis of output filters for grid connected converters in Battery Energy Storage Systems. , 2014, , .		7
34	Investigation on Performance Decay on Photovoltaic Modules: Snail Trails and Cell Microcracks. IEEE Journal of Photovoltaics, 2014, 4, 1204-1211.	2.5	67
35	Power quality analysis of LED lighting system for railway applications. , 2014, , .		2
36	Thermal and luminous investigations of a pcLED based refrigerating liquid prototype. Applied Thermal Engineering, 2014, 70, 884-891.	6.0	7

#	ARTICLE	IF	CITATIONS
37	Experimental investigation of partial shading scenarios on PV (photovoltaic) modules. Energy, 2013, 55, 466-475.	8.8	184
38	Power electronic converters for PV systems in extreme environmental conditions. , 2013, , .		3
39	The optimum PV plant of an inverter. , 2013, , .		2
40	Transient Analysis of Large Scale PV Systems with Floating DC Section. Energies, 2012, 5, 3736-3752.	3.1	17
41	Power Quality and Harmonic Analysis of End User Devices. Energies, 2012, 5, 5453-5466.	3.1	58
42	Reduced models for the EMC analysis of high speed railway systems. , 2012, , .		0
43	Impact of High-Voltage Primary Supply Lines in the 2 \times 25 kV@50 Hz Railway System on the Equivalent Impedance at Pantograph Terminals. IEEE Transactions on Power Delivery, 2012, 27, 164-175.	4.3	61
44	Stray Current Effects Mitigation in Subway Tunnels. IEEE Transactions on Power Delivery, 2012, 27, 2304-2311.	4.3	59
45	Performance Analysis of a Single-Axis Tracking PV System. IEEE Journal of Photovoltaics, 2012, 2, 524-531.	2.5	66
46	Reduced multiconductor transmission line models for power quality analysis in railway systems. , 2012, , .		11
47	EMC disturbances on track circuits in the \pm 25kV high speed AC railways systems. , 2011, , .		6
48	Lighting systems: Power consumptions and harmonics monitoring survey. , 2011, , .		8
49	Effects of the DC stray currents on subway tunnel structures evaluated by FEM analysis. , 2010, , .		9
50	Effect of primary high voltage supply lines on the high speed AC railways systems. , 2010, , .		11
51	Power quality in public lighting systems. , 2010, , .		13
52	Calculation of Rail Internal Impedance by Using Finite Elements Methods and Complex Magnetic Permeability. International Journal of Vehicular Technology, 2009, 2009, 1-10.	1.1	13
53	Faults analysis theory and schemes of four-phase power systems. , 2009, , .		2
54	Experimental test of seven widely-adopted MPPT algorithms. , 2009, , .		55