

# Marcelo Cortes

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

528  
citations

933447

10  
h-index

1058476

14  
g-index

28  
all docs

28  
docs citations

28  
times ranked

682  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and comparison of PV production estimation models for mc-Si technologies in Chile and Spain. <i>Journal of Cleaner Production</i> , 2021, 281, 125360.	9.3	7
2	GA-based approach to optimize an equivalent electric circuit model of a Li-ion battery-pack. <i>Expert Systems With Applications</i> , 2021, 172, 114647.	7.6	12
3	Methodology for Forecasting the Power Production of PV Plants During Solar Eclipse. , 2020, , .		1
4	An Optimized Impedance Model for the Estimation of the State-of-Charge of a Li-Ion Cell: The Case of a LiFePO <sub>4</sub> (ANR26650). <i>Energies</i> , 2019, 12, 681.	3.1	9
5	Multi-objective Generation Expansion Planning Considering Environmental Criteria. , 2019, , .		0
6	Effect of Hourly Demand Modeling on Generation Planning with Large-Scale Integration of Photovoltaic Plants. , 2019, , .		0
7	Generation Planning Model Including Frequency Stability Constrains to Mitigate Large-Scale Integration of Photovoltaic Plants. , 2019, , .		0
8	Hourly PV production estimation by means of an exportable multiple linear regression model. <i>Renewable Energy</i> , 2019, 135, 303-312.	8.9	36
9	On the Estimation of Energy Production in PV Plants. A Comparative Study of Methodologies. , 2019, , .		1
10	Relevance Analysis of Atmospheric Variables in the Production of an Experimental PV Power Plant Considering Dust Deposition in the Mediterranean Coast. , 2019, , .		0
11	Power flow algorithm for analysis of distribution networks including distributed generation. , 2018, , .		4
12	Daily global solar radiation estimation in desert areas using daily extreme temperatures and extraterrestrial radiation. <i>Renewable Energy</i> , 2017, 113, 303-311.	8.9	79
13	Optimal programming of insulator washing in transmission lines and substations. , 2017, , .		0
14	Altitude effect in the design of a lithium-ion battery packing system. , 2017, , .		0
15	Evaluation of incentive mechanism for distributed generation in Northern Chile. <i>IEEE Latin America Transactions</i> , 2016, 14, 2719-2725.	1.6	8
16	A fractal time thermal model for predicting the surface temperature of air-cooled cylindrical Li-ion cells based on experimental measurements. <i>Journal of Power Sources</i> , 2016, 306, 636-645.	7.8	58
17	Corrosion properties of a ternary nitrate/nitrite molten salt in concentrated solar technology. <i>Renewable Energy</i> , 2015, 80, 177-183.	8.9	58
18	Dynamic analysis of wind power integration into the Northern Interconnected Power System of Chile. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Information-Theoretic Measures and Sequential Monte Carlo Methods for Detection of Regeneration Phenomena in the Degradation of Lithium-Ion Battery Cells. IEEE Transactions on Reliability, 2015, 64, 701-709.	4.6	31
20	Quality Function Deployment Analysis for the Selection of four Utility-scale Solar Energy Projects in Northern Chile. Energy Procedia, 2014, 49, 1896-1905.	1.8	10
21	Assessment of the Impact of Financial and Fiscal Incentives for the Development of Utility-scale Solar Energy Projects in Northern Chile. Energy Procedia, 2014, 49, 1885-1895.	1.8	10
22	Multi-objective optimal design of lithium-ion battery packs based on evolutionary algorithms. Journal of Power Sources, 2014, 267, 288-299.	7.8	71
23	Modelling network constrained economic dispatch problems. Optimization and Engineering, 2013, 14, 417-430.	2.4	77
24	Fuzzy load-shedding strategy in distribution systems. , 2011, , .		1
25	Fuzzy Arithmetic for the DC Load Flow. IEEE Transactions on Power Systems, 2010, 25, 206-214.	6.5	30
26	Transmission Network Expansion Planning by a Hybrid Simulated Annealing Algorithm. , 2009, , .		15
27	Support vector machines for on-line security analysis of power systems. , 2008, , .		7
28	Fuzzy load flow based on &#x003B1;-cuts arithmetics. , 2007, , .		3