

Marcelo Cortes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3929029/publications.pdf>

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	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
2	Modelling network constrained economic dispatch problems. <i>Optimization and Engineering</i> , 2013, 14, 417-430.	2.4	77
3	Multi-objective optimal design of lithium-ion battery packs based on evolutionary algorithms. <i>Journal of Power Sources</i> , 2014, 267, 288-299.	7.8	71
4	Corrosion properties of a ternary nitrate/nitrite molten salt in a concentrated solar technology. <i>Renewable Energy</i> , 2015, 80, 177-183.	8.9	58
5	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
6	Hourly PV production estimation by means of an exportable multiple linear regression model. <i>Renewable Energy</i> , 2019, 135, 303-312.	8.9	36
7	Information-Theoretic Measures and Sequential Monte Carlo Methods for Detection of Regeneration Phenomena in the Degradation of Lithium-Ion Battery Cells. <i>IEEE Transactions on Reliability</i> , 2015, 64, 701-709.	4.6	31
8	Fuzzy Arithmetic for the DC Load Flow. <i>IEEE Transactions on Power Systems</i> , 2010, 25, 206-214.	6.5	30
9	Transmission Network Expansion Planning by a Hybrid Simulated Annealing Algorithm. , 2009, , .		15
10	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
11	Quality Function Deployment Analysis for the Selection of four Utility-scale Solar Energy Projects in Northern Chile. <i>Energy Procedia</i> , 2014, 49, 1896-1905.	1.8	10
12	Assessment of the Impact of Financial and Fiscal Incentives for the Development of Utility-scale Solar Energy Projects in Northern Chile. <i>Energy Procedia</i> , 2014, 49, 1885-1895.	1.8	10
13	An Optimized Impedance Model for the Estimation of the State-of-Charge of a Li-Ion Cell: The Case of a LiFePO ₄ (ANR26650). <i>Energies</i> , 2019, 12, 681.	3.1	9
14	Evaluation of incentive mechanism for distributed generation in Northern Chile. <i>IEEE Latin America Transactions</i> , 2016, 14, 2719-2725.	1.6	8
15	Support vector machines for on-line security analysis of power systems. , 2008, , .		7
16	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
17	Power flow algorithm for analysis of distribution networks including distributed generation. , 2018, , .		4
18	Fuzzy load flow based on α-cuts arithmetics. , 2007, , .		3

#	ARTICLE	IF	CITATIONS
19	Fuzzy load-shedding strategy in distribution systems. , 2011, , .		1
20	Methodology for Forecasting the Power Production of PV Plants During Solar Eclipse. , 2020, , .		1
21	On the Estimation of Energy Production in PV Plants. A Comparative Study of Methodologies. , 2019, , .		1
22	Dynamic analysis of wind power integration into the Northern Interconnected Power System of Chile. , 2015, , .		0
23	Optimal programming of insulator washing in transmission lines and substations. , 2017, , .		0
24	Altitude effect in the design of a lithium-ion battery packing system. , 2017, , .		0
25	Multi-objective Generation Expansion Planning Considering Environmental Criteria. , 2019, , .		0
26	Effect of Hourly Demand Modeling on Generation Planning with Large-Scale Integration of Photovoltaic Plants. , 2019, , .		0
27	Generation Planning Model Including Frequency Stability Constrains to Mitigate Large-Scale Integration of Photovoltaic Plants. , 2019, , .		0
28	Relevance Analysis of Atmospheric Variables in the Production of an Experimental PV Power Plant Considering Dust Deposition in the Mediterranean Coast. , 2019, , .		0