

Carlos Cps Portillo

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

397
citations

1040056

9
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

506
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar irradiance forecasting at one-minute intervals for different sky conditions using sky camera images. <i>Energy Conversion and Management</i> , 2015, 105, 1166-1177.	9.2	98
2	Sorption of 2,4-dichlorophenol on modified hydrotalcites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 230, 111-116.	4.7	54
3	Photovoltaic performance and LCoE comparison at the coastal zone of the Atacama Desert, Chile. <i>Energy Conversion and Management</i> , 2015, 95, 181-186.	9.2	50
4	Hourly PV production estimation by means of an exportable multiple linear regression model. <i>Renewable Energy</i> , 2019, 135, 303-312.	8.9	36
5	Characterization of soiling on PV modules in the Atacama Desert. <i>Energy Procedia</i> , 2017, 124, 547-553.	1.8	35
6	Standard or local solar spectrum? Implications for solar technologies studies in the Atacama desert. <i>Renewable Energy</i> , 2018, 127, 871-882.	8.9	32
7	Physicochemical characterization of soiling from photovoltaic facilities in arid locations in the Atacama Desert. <i>Solar Energy</i> , 2019, 187, 47-56.	6.1	23
8	Impact of DNI forecasting on CSP tower plant power production. <i>Renewable Energy</i> , 2019, 138, 368-377.	8.9	21
9	Interface analysis of Ag/n ⁺ Si contacts in n ⁺ PERT solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2020, 28, 358-371.	8.1	9
10	Inspection Data Collection Tool for Field Testing of Photovoltaic Modules in the Atacama Desert. <i>Energies</i> , 2021, 14, 2409.	3.1	6
11	Spectral Intensities in Cubic Stoichiometric Elpasolites: The Cs ₂ NaSmCl ₆ and Cs ₂ NaEuCl ₆ Systems. <i>Advances in Quantum Chemistry</i> , 2003, , 509-525.	0.8	5
12	SELECTIVE CHEMICAL ETCHING FOR STUDYING THE FRONT SIDE CONTACT IN THICK FILM SCREEN PRINTED CRYSTALLINE P-TYPE SILICON SOLAR CELLS. <i>Journal of the Chilean Chemical Society</i> , 2015, 60, 2905-2910.	1.2	5
13	Metallization of a Lightly Doped Emitter With Different Industrial Silver Pastes: Performance and Microscopy Analysis. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 727-734.	2.5	4
14	A Materials Screening Test of Corrosion Monitoring in LiNO ₃ Containing Molten Salts as a Thermal Energy Storage Material for CSP Plants. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3160.	2.5	4
15	Comparing the effects of ultraviolet radiation on four different encapsulants for photovoltaic applications in the Atacama Desert. <i>Solar Energy</i> , 2021, 228, 625-635.	6.1	4
16	Nowcasting System Based on Sky Camera Images to Predict the Solar Flux on the Receiver of a Concentrated Solar Plant. <i>Remote Sensing</i> , 2022, 14, 1602.	4.0	4
17	Absorptions and Emissions for the TmCl ₆ ³⁻ Ion in Cs ₂ NaTmCl ₆ . <i>Acta Physica Polonica A</i> , 2001, 100, 829-844.	0.5	3
18	Validation of a Solar Thermal Pilot Plant Model for Copper Mining Processes. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Theoretical Calculation of the Photo-generated Current Density by Using Optical Path-length Enhancement Factor for Si-based PV Devices in the Atacama Desert. , 2018, , .		1
20	Influence of the paste volume on the contact formation in fine line metallization. , 2018, , .		1
21	FROM LIMIT EQUATIONS TO GENERAL EQUATIONS: AN ALTERNATIVE STRATEGY OF DEVELOPING EQUATIONS IN CHEMISTRY AND ITS DIFFERENT STAGES OF LEARNING. Journal of the Chilean Chemical Society, 2013, 58, 2138-2143.	1.2	0
22	Progress in Solar Energy R&D in North of Chile: Solar Platform of Atacama Desert Project and Ongoing Activities. , 2016, , .		0
23	Techno-Economic Analysis of a PV (Photovoltaic) Plant for High Radiation Conditions from the Altiplanic of Bolivia. , 2019, , .		0
24	Corrosion and Mechanical Assessment in LiNO ₃ Molten Salt as Thermal Energy Storage Material in CSP Plants. , 2019, , .		0