Carlos Cps Portillo

List of Publications by Year
in descending order

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	Nowcasting System Based on Sky Camera Images to Predict the Solar Flux on the Receiver of a Concentrated Solar Plant. Remote Sensing, 2022, 14, 1602.	4.0	4
2	Inspection Data Collection Tool for Field Testing of Photovoltaic Modules in the Atacama Desert. Energies, 2021, 14, 2409.	3.1	6
3	Comparing the effects of ultraviolet radiation on four different encapsulants for photovoltaic applications in the Atacama Desert. Solar Energy, 2021, 228, 625-635.	6.1	4
4	A Materials Screening Test of Corrosion Monitoring in LiNO3 Containing Molten Salts as a Thermal Energy Storage Material for CSP Plants. Applied Sciences (Switzerland), 2020, 10, 3160.	2.5	4
5	Interface analysis of Ag/nâ€type Si contacts in nâ€type PERT solar cells. Progress in Photovoltaics: Research and Applications, 2020, 28, 358-371.	8.1	9
6	Impact of DNI forecasting on CSP tower plant power production. Renewable Energy, 2019, 138, 368-377.	8.9	21
7	Physicochemical characterization of soiling from photovoltaic facilities in arid locations in the Atacama Desert. Solar Energy, 2019, 187, 47-56.	6.1	23
8	Hourly PV production estimation by means of an exportable multiple linear regression model. Renewable Energy, 2019, 135, 303-312.	8.9	36
9	Techno-Economic Analysis of a PV (Photovoltaic) Plant for High Radiation Conditions from the Altiplanic of Bolivia. , 2019, , .		0
10	Corrosion and Mechanical Assessment in LiNO3 Molten Salt as Thermal Energy Storage Material in CSP Plants. , 2019, , .		0
11	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
12	Influence of the paste volume on the contact formation in fine line metallization. , 2018, , .		1
13	Standard or local solar spectrum? Implications for solar technologies studies in the Atacama desert. Renewable Energy, 2018, 127, 871-882.	8.9	32
14	Metallization of a Lightly Doped Emitter With Different Industrial Silver Pastes: Performance and Microscopy Analysis. IEEE Journal of Photovoltaics, 2017, 7, 727-734.	2.5	4
15	Characterization of soiling on PV modules in the Atacama Desert. Energy Procedia, 2017, 124, 547-553.	1.8	35
16	Validation of a Solar Thermal Pilot Plant Model for Copper Mining Processes. , 2016, , .		2
17	Progress in Solar Energy R&D in North of Chile: Solar Platform of Atacama Desert Project and Ongoing Activities. , 2016, , .		0
18	SELECTIVE CHEMICAL ETCHING FOR STUDYING THE FRONT SIDE CONTACT IN THICK FILM SCREEN PRINTED CRYSTALLINE P-TYPE SILICON SOLAR CELLS. Journal of the Chilean Chemical Society, 2015, 60, 2905-2910.	1.2	5

#	Article	IF	Citations
19	Photovoltaic performance and LCoE comparison at the coastal zone of the Atacama Desert, Chile. Energy Conversion and Management, 2015, 95, 181-186.	9.2	50
20	Solar irradiance forecasting at one-minute intervals for different sky conditions using sky camera images. Energy Conversion and Management, 2015, 105, 1166-1177.	9.2	98
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	Sorption of 2,4-dichlorophenol on modified hydrotalcites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 230, 111-116.	4.7	54
23	Spectral Intensities in Cubic Stoichiometric Elpasolites: The Cs2NaSmCl6 and Cs2NaEuCl6 Systems. Advances in Quantum Chemistry, 2003, , 509-525.	0.8	5
24	Absorptions and Emissions for the TmCl63-Ion in Cs2NaTmCl6. Acta Physica Polonica A, 2001, 100, 829-844.	0.5	3