Emilio MuÃ±oz CerÃ³n

List of Publications by Year
in descending order

42 papers	826 citations	516215 16 h-index	476904 29 g-index
44 all docs	44 docs citations	44 times ranked	868 citing authors

#	Article	IF	Citations
1	Estimation of the effective nominal power of a photovoltaic generator under non-ideal operating conditions. Solar Energy, 2022, 231, 784-792.	2.9	3
2	PV generator nominal power estimation using a ground sensor and the PVLIB online irradiance database. Journal of Physics: Conference Series, 2022, 2180, 012005.	0.3	0
3	Is the information provided by free satellite sources suitable for predicting or evaluating the performance of photovoltaic systems in Peru? (In memoriam to Heinrich Berg). Journal of Physics: Conference Series, 2022, 2180, 012016.	0.3	0
4	How much solar PV, wind and biomass energy could be implemented in short-term? A multi-criteria GIS-based approach applied to the province of JaÃ©n, Spain. Journal of Cleaner Production, 2022, 366, 132920.	4.6	14
5	Identifying barriers and opportunities in the deployment of the residential photovoltaic prosumer segment in Chile. Sustainable Cities and Society, 2021, 69, 102824.	5.1	12
6	Typical Daily Profiles, a novel approach for photovoltaics performance assessment: Case study on large-scale systems in Chile. Solar Energy, 2021, 225, 357-374.	2.9	9
7	A set of principles for applying Circular Economy to the PV industry: Modeling a closed-loop material cycle system for crystalline photovoltaic panels. Sustainable Production and Consumption, 2021, 28, 164-179.	5.7	17
8	The impact of renewable energy and sector coupling on the pathway towards a sustainable energy system in Chile. Renewable and Sustainable Energy Reviews, 2021, 151, 111557.	8.2	49
9	Spatial Energy Planning: A Review. Energies, 2020, 13, 5379.	1.6	5
10	Identification of Educational Models That Encourage Business Participation in Higher Education Institutions. Sustainability, 2020, 12, 8421.	1.6	4
11	Environmental Impact Assessment of crystalline solar photovoltaic panelsâ€™ End-of-Life phase: Open and Closed-Loop Material Flow scenarios. Sustainable Production and Consumption, 2020, 23, 157-173.	5.7	35
12	Experimental set-up for testing MJ photovoltaic cells under ultra-high irradiance levels with temperature and spectrum control. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108092.	2.5	9
13	Procedimiento del cÃ¡lculo de la potencia nominal de un generador fotovoltaico. Revista TECNIA, 2020, 30, 22-26.	0.1	0
14	Estudio del efecto del polvo y estimaciÃ³n de la potencia nominal en un string fotovoltaico. Revista TECNIA, 2020, 30, 27-33.	0.1	2
15	Photovoltaic road and rail noise barriers at different environmental and soil conditions, including mining terrains. E3S Web of Conferences, 2019, 106, 01008.	0.2	1
16	Complete Procedure for the Economic, Financial and Cost-Competitiveness of Photovoltaic Systems with Self-Consumption. Energies, 2019, 12, 345.	1.6	16
17	Characterization in power and energy of two photovoltaic grid connected systems of different technologies (crystal silicon and thin film), operating in Lima. Journal of Physics: Conference Series, 2019, 1173, 012011.	0.3	1
18	Analysis of the Performance of Various PV Module Technologies in Peru. Energies, 2019, 12, 186.	1.6	42

#	Article	IF	Citations
19	Feasibility evaluation of residential photovoltaic self-consumption projects in Peru. Renewable Energy, 2019, 136, 414-427.	4.3	25
20	Assessment of cost-competitiveness and profitability of fixed and tracking photovoltaic systems: The case of five specific sites. Renewable Energy, 2019, 134, 902-913.	4.3	60
21	Effects of renewable energy on landscape in Europe: Comparison of hydro, wind, solar, bio-, geothermal and infrastructure energy landscapes. Hungarian Geographical Bulletin, 2019, 68, 317-339.	0.4	20
22	The Role of Renewable Energy in the Transition Toward a Fully Sustainable Energy System in Chile Across Power, Heat, Transport and Desalination Sectors. , 2019, , .		1
23	Performance Evaluation and Characterization of Different Photovoltaic Technologies Under the Coastal, Desertic Climate Conditions of Lima, Peru. , 2019, , .		0
24	Modeling of the Nominal Power of a PV Generator Under Clear and Cloudy sky Conditions. , 2019, , .		0
25	TOP-DOWN APPROACH OF A PBL PROJECT APPLIED TO THE INTEGRATION OF RENEWABLE ENERGIES IN AN EDUCATIONAL BUILDING. RESULTS OF A JOINT EXPERIMENTAL COLLABORATION BETWEEN HIGH-SCHOOL AND UNIVERSITY LEVELS. INTED Proceedings, 2019, , .	0.0	0
26	Sale of profitable but unaffordable PV plants in Spain: Analysis of a real case. Energy Policy, 2018, 117, 279-294.	4.2	16
27	Lessons learned from the field analysis of PV installations in the Saharawi refugee camps after 10 years of operation. Renewable and Sustainable Energy Reviews, 2018, 93, 100-109.	8.2	24
28	Influence of Operation and Maintenance expenditures in the feasibility of photovoltaic projects: The case of a tracking pv plant in Spain. Energy Policy, 2018, 121, 506-518.	4.2	22
29	Preliminary Economic Evaluation of the First Grid-Connected Photovoltaic System in the AysÃ©n Region Under the Current Law of Distributed Generation in Chile. , 2018, , .		0
30	Cradle-to-cradle approach in the life cycle of silicon solar photovoltaic panels. Journal of Cleaner Production, 2017, 168, 51-59.	4.6	33
31	Spectral characterization of the solar resource of a sunny inland site for flat plate and concentrating PV systems. Renewable Energy, 2017, 101, 1169-1179.	4.3	6
32	Large-Scale Photovoltaic Power Plants. World Scientific Series in Current Energy Issues, 2016, , 125-169.	0.1	2
33	Evolution of the cost and economic profitability of grid-connected PV investments in Spain: Long-term review according to the different regulatory frameworks approved. Renewable and Sustainable Energy Reviews, 2016, 66, 233-247.	8.2	48
34	Comparison of two PV array models for the simulation of PV systems using five different algorithms for the parameters identification. Renewable Energy, 2016, 99, 270-279.	4.3	46
35	Efficiencies and Energy Balance in High-Concentrator Photovoltaic Devices. Green Energy and Technology, 2015, , 239-260.	0.4	5
36	Grid parity and self-consumption with photovoltaic systems under the present regulatory framework in Spain: The case of the University of JaÃ©n Campus. Renewable and Sustainable Energy Reviews, 2014, 33, 752-771.	8.2	44

#	Article	IF	Citations
37	On-site measurement of limiting subcell in multijunction solar devices. , 2012, , .		1
38	Energy and economic analysis for large-scale integration of small photovoltaic systems in buildings: The case of a public location in Southern Spain. Renewable and Sustainable Energy Reviews, 2011, 15, 4310-4319.	8.2	54
39	High Concentrator PhotoVoltaics efficiencies: Present status and forecast. Renewable and Sustainable Energy Reviews, 2011, 15, 1810-1815.	8.2	161
40	Analysis and Performance of a Two-Axis PV Tracker in Southern Spain. Journal of Solar Energy Engineering, Transactions of the ASME, 2011, 133, .	1.1	5
41	Proposal Of A Spanish CPV Feed-in Tariff. , 2010, , .		1
42	CPV standardization: An overview. Renewable and Sustainable Energy Reviews, 2010, 14, 518-523.	8.2	29