

Miguel Angel Egido Aguilera

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

658
citations

623188

14
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

697
citing authors

#	ARTICLE	IF	CITATIONS
1	The sizing of stand alone PV-system: A review and a proposed new method. Solar Energy Materials and Solar Cells, 1992, 26, 51-69.	3.0	150
2	Automatic fault diagnosis in PV systems with distributed MPPT. Energy Conversion and Management, 2013, 76, 925-934.	4.4	89
3	Hot-spot mitigation in PV arrays with distributed MPPT (DMPPT). Solar Energy, 2014, 101, 131-137.	2.9	64
4	Hybrid renewable mini-grids on non-interconnected small islands: Review of case studies. Renewable and Sustainable Energy Reviews, 2019, 116, 109417.	8.2	52
5	Decarbonizing the Galapagos Islands: Techno-Economic Perspectives for the Hybrid Renewable Mini-Grid Baltraâ€“Santa Cruz. Sustainability, 2020, 12, 2282.	1.6	36
6	Dependability analysis of stand-alone photovoltaic systems. Progress in Photovoltaics: Research and Applications, 2007, 15, 245-264.	4.4	32
7	Analytical study and evaluation results of power optimizers for distributed power conditioning in photovoltaic arrays. Progress in Photovoltaics: Research and Applications, 2013, 21, 359-373.	4.4	32
8	Lessons Learned from Rural Electrification Experiences with Third Generation Solar Home Systems in Latin America: Case Studies in Peru, Mexico, and Bolivia. Sustainability, 2019, 11, 7139.	1.6	31
9	Planning of electrical energy for the Galapagos Islands using different renewable energy technologies. Electric Power Systems Research, 2022, 203, 107660.	2.1	28
10	Experiences and methodology in a multidisciplinary energy and architecture competition: Solar Decathlon Europe 2012. Energy and Buildings, 2014, 83, 3-9.	3.1	24
11	Experimental analysis of battery charge regulation in photovoltaic systems. Progress in Photovoltaics: Research and Applications, 2003, 11, 481-493.	4.4	23
12	What Is Still Necessary for Supporting the SDG7 in the Most Vulnerable Contexts?. Sustainability, 2020, 12, 7184.	1.6	23
13	Universal technical standard for solar home systems. Progress in Photovoltaics: Research and Applications, 1998, 6, 315-324.	4.4	19
14	Bifacial Photovoltaic Panels with Sun Tracking. International Journal of Solar Energy, 1986, 4, 97-107.	0.2	17
15	Characterization of Technological Innovations in Photovoltaic Rural Electrification, Based on the Experiences of Bolivia, Peru, and Argentina: Third Generation Solar Home Systems. Sustainability, 2021, 13, 3032.	1.6	14
16	Electrical energy balance contest in Solar Decathlon Europe 2012. Energy and Buildings, 2014, 83, 36-43.	3.1	10
17	Test procedures for maximum power point tracking charge controllers characterization. Progress in Photovoltaics: Research and Applications, 2012, 20, 310-320.	4.4	9
18	A model for the simulation of energy gains when using distributed maximum power point tracking (DMPPT) in photovoltaic arrays. Progress in Photovoltaics: Research and Applications, 2015, 23, 182-193.	4.4	3

#	ARTICLE	IF	CITATIONS
19	Photovoltaic Systems with and without Radiation Concentrators for Temperate and Tropical Regions. <i>Energies</i> , 2015, 8, 12505-12529.	1.6	2