

Andres Suarez Garcia

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

271
citations

1163117

8
h-index

996975

15
g-index

22
all docs

22
docs citations

22
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the shadows in photovoltaic systems with different configurations of bypass diodes. , 2010, , .		56
2	Optimal distribution for photovoltaic solar trackers to minimize power losses caused by shadows. Renewable Energy, 2011, 36, 1826-1835.	8.9	53
3	Modelization of hybrid systems with hydrogen and renewable energy oriented to electric propulsion in sailboats. International Journal of Hydrogen Energy, 2014, 39, 11763-11773.	7.1	28
4	Seasonal characterization of CIE standard sky types above Burgos, northwestern Spain. Solar Energy, 2018, 169, 24-33.	6.1	23
5	Novel Formulations of Phase Change Materialsâ€™Epoxy Composites for Thermal Energy Storage. Materials, 2018, 11, 195.	2.9	18
6	Teaching optimization of manufacturing problems via code components of a Jupyter Notebook. Computer Applications in Engineering Education, 2018, 26, 1102-1110.	3.4	15
7	Spanish Photovoltaic Solar Energy: Institutional Change, Financial Effects, and the Business Sector. Sustainability, 2020, 12, 1892.	3.2	14
8	Feature selection for CIE standard sky classification. Solar Energy, 2021, 218, 95-107.	6.1	11
9	Design Sprint: Enhancing STEAM and engineering education through agile prototyping and testing ideas. Thinking Skills and Creativity, 2022, 44, 101039.	3.5	11
10	Integration of several renewable energies for internal combustion engine substitution in a commercial sailboat. International Journal of Hydrogen Energy, 2015, 40, 6689-6701.	7.1	8
11	Teaching structural analysis theory with Jupyter Notebooks. Computer Applications in Engineering Education, 2021, 29, 1257-1266.	3.4	8
12	Estimation of photovoltaic potential for electricity self-sufficiency: A study case of military facilities in northwest Spain. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	6
13	Optimal parametrization of electrodynamical battery model using model selection criteria. Journal of Power Sources, 2015, 285, 119-130.	7.8	5
14	Effect of Insulation on the Energy Demand of a Standardized Container Facility at Airports in Spain under Different Weather Conditions. Energies, 2020, 13, 5263.	3.1	5
15	Evaluation of the Vertical Sky Component without Obstructions for Daylighting in Burgos, Spain. Applied Sciences (Switzerland), 2020, 10, 3095.	2.5	3
16	Modeling of Energy Demand and Savings Associated with the Use of Epoxy-Phase Change Material Formulations. Materials, 2020, 13, 639.	2.9	3
17	DESIGNING LABORATORY SESSIONS USING IPYTHON. , 2016, , .		2
18	ANALYSIS OF THE USE OF BINARY SURVEYS FOR THE COLLECTION OF STUDENT OPINION AND REPLACEMENT OF LIKERT SURVEYS. INTED Proceedings, 2022, , .	0.0	1

#	ARTICLE	IF	CITATIONS
19	Pixel-Based Image Processing for CIE Standard Sky Classification through ANN. Complexity, 2021, 2021, 1-15.	1.6	1
20	A Multicriteria Evaluation of Sustainable Riparian Revegetation with Local Fruit Trees around a Reservoir of a Hydroelectric Power Plant in Central Brazil. Sustainability, 2021, 13, 7849.	3.2	0
21	SERVICE-LEARNING EXPERIENCE WITH ENGINEERING STUDENTS USING THE DESIGN THINKING APPROACH. INTED Proceedings, 2022, , .	0.0	0
22	USING INTERACTIVE PHYSICAL MODELS TO TEACH STRUCTURAL ANALYSIS: EXPERIENCES IN A MECHANICAL ENGINEERING DEGREE. INTED Proceedings, 2022, , .	0.0	0