

# David Alfonso-Solar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7248272/publications.pdf>

Version: 2024-02-01

18  
papers

571  
citations

933447

10  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodology based on Geographic Information Systems for biomass logistics and transport optimisation. <i>Renewable Energy</i> , 2009, 34, 555-565.	8.9	136
2	Methodology for optimization of distributed biomass resources evaluation, management and final energy use. <i>Biomass and Bioenergy</i> , 2009, 33, 1070-1079.	5.7	69
3	Hybrid biomass-wind power plant for reliable energy generation. <i>Renewable Energy</i> , 2010, 35, 1436-1443.	8.9	55
4	Experimental verification of hybrid renewable systems as feasible energy sources. <i>Renewable Energy</i> , 2016, 86, 384-391.	8.9	54
5	Modelling biomass gasifiers in hybrid renewable energy microgrids; a complete procedure for enabling gasifiers simulation in HOMER. <i>Renewable Energy</i> , 2021, 174, 501-512.	8.9	54
6	MPC for optimal dispatch of an AC-linked hybrid PV/wind/biomass/H2 system incorporating demand response. <i>Energy Conversion and Management</i> , 2019, 186, 241-257.	9.2	53
7	Optimization of a hybrid renewable system for high feasibility application in non-connected zones. <i>Applied Energy</i> , 2015, 155, 308-314.	10.1	49
8	Can a fully renewable system with storage cost-effectively cover the total demand of a big scale standalone grid? Analysis of three scenarios applied to the Grand Canary Island, Spain by 2040. <i>Journal of Energy Storage</i> , 2022, 52, 104774.	8.1	17
9	Methodology for ranking customer segments by their suitability for distributed energy resources applications. <i>Energy Conversion and Management</i> , 2007, 48, 1615-1623.	9.2	13
10	Energy market segmentation for distributed energy resources implementation purposes. <i>IET Generation, Transmission and Distribution</i> , 2007, 1, 324.	2.5	10
11	Wind park reliable energy production based on a hydrogen compensation system. Part II: Economic study. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 3088-3097.	7.1	10
12	Small-Scale Hybrid Photovoltaic-Biomass Systems Feasibility Analysis for Higher Education Buildings. <i>Sustainability</i> , 2020, 12, 9300.	3.2	10
13	Optimization of the electricity generation mix using economic criteria with zero-emissions for stand-alone systems: Case applied to Grand Canary Island in Spain. <i>Progress in Nuclear Energy</i> , 2022, 151, 104329.	2.9	10
14	Empirical Design, Construction, and Experimental Test of a Small-Scale Bubbling Fluidized Bed Reactor. <i>Sustainability</i> , 2021, 13, 1061.	3.2	9
15	Simulations and experimental study to compare the behavior of a genset running on gasoline or syngas for small scale power generation. <i>Energy</i> , 2022, 244, 122633.	8.8	9
16	Experimental results of the hydrogen production control of a hydrogen energy buffer. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5013-5024.	7.1	8
17	Wind park reliable energy production based on a hydrogen compensation system. Part I: Technical viability. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15548-15560.	7.1	4
18	Quantification of Potential Lignocellulosic Biomass in Fruit Trees Grown in Mediterranean Regions. <i>BioResources</i> , 2012, 8, .	1.0	1