JesÃºs Las-Heras-Casas

List of Publications by Year
in descending order

22 papers	442 citations	687363 13 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	431 citing authors

#	Article	IF	Citations
1	Influence of heating degree day calculation methods in designing the thermal envelope of buildings. Journal of Building Engineering, 2022, 46, 103604.	3.4	5
2	Energy Renovation of Residential Buildings in Hot and Temperate Mediterranean Zones Using Optimized Thermal Envelope Insulation Thicknesses: The Case of Spain. Applied Sciences (Switzerland), 2021, 11, 370.	2.5	23
3	Towards nearly zero-energy buildings in Mediterranean countries: Fifteen years of implementing the Energy Performance of Buildings Directive in Spain (2006â€“2020). Journal of Building Engineering, 2021, 44, 102962.	3.4	21
4	Energy Renovation of Residential Buildings in Cold Mediterranean Zones Using Optimized Thermal Envelope Insulation Thicknesses: The Case of Spain. Sustainability, 2020, 12, 2287.	3.2	20
5	Control strategy optimization of a Stirling based residential hybrid system through multi-objective optimization. Energy Conversion and Management, 2020, 208, 112549.	9.2	11
6	Dataset on solar contributions by thermal solar systems in Chile applying Chilean and Spanish regulations. Data in Brief, 2019, 26, 104505.	1.0	2
7	Towards nearly zero-energy educational buildings with the implementation of the Energy Performance of Buildings Directive via energy rehabilitation in cold Mediterranean zones: The case of Spain. Energy Reports, 2019, 5, 1488-1508.	5.1	24
8	Solar domestic hot water regulation in the Latin American residential sector with the implementation of the Energy Performance of Buildings Directive: The case of Chile. Energy, 2019, 188, 115985.	8.8	11
9	Towards nearly zero-energy buildings in Mediterranean countries: Energy Performance of Buildings Directive evolution and the energy rehabilitation challenge in the Spanish residential sector. Energy, 2019, 176, 335-352.	8.8	31
10	Solar Energy, the Future Ahead. Lecture Notes in Energy, 2019, , 113-132.	0.3	3
11	Evolution and perspectives of the bioenergy applications in Spain. Journal of Cleaner Production, 2019, 213, 553-568.	9.3	36
12	Implementation of biomass boilers for heating and domestic hot water in multi-family buildings in Spain: Energy, environmental, and economic assessment. Journal of Cleaner Production, 2018, 176, 590-603.	9.3	52
13	Final and primary energy consumption of the residential sector in Spain and La Rioja (1991â€“2013), verifying the degree of compliance with the European 2020 goals by means of energy indicators. Renewable and Sustainable Energy Reviews, 2018, 81, 2358-2370.	16.4	15
14	Energy utilization for distributed thermal production in rural areas: A case study of a self-sustaining system in Spain. Energy Conversion and Management, 2018, 174, 1014-1023.	9.2	14
15	A tool for verifying energy performance certificates and improving the knowledge of the residential sector: A case study of the Autonomous Community of AragÃ³n (Spain). Sustainable Cities and Society, 2018, 41, 62-72.	10.4	29
16	Environmental and energy impact of the EPBD in residential buildings in hot and temperate Mediterranean zones: The case of Spain. Energy, 2018, 161, 618-634.	8.8	31
17	Methodology for Detecting Malfunctions and Evaluating the Maintenance Effectiveness in Wind Turbine Generator Bearings Using Generic versus Specific Models from SCADA Data. Energies, 2018, 11, 746.	3.1	9
18	Environmental and energy impact of the EPBD in residential buildings in cold Mediterranean zones: The case of Spain. Energy and Buildings, 2017, 150, 567-582.	6.7	30

#	Article	IF	Citations
19	Energy performance certificates as tools for energy planning in the residential sector. The case of La Rioja (Spain).. Journal of Cleaner Production, 2016, 137, 1280-1292.	9.3	35
20	Update of energy performance certificates in the residential sector and scenarios that consider the impact of automation, control and management systems: A case study of La Rioja. Applied Energy, 2016, 178, 308-322.	10.1	28
21	Development of indicators for the detection of equipment malfunctions and degradation estimation based on digital signals (alarms and events) from operation SCADA. Renewable Energy, 2016, 99, 224-236.	8.9	6
22	A New Device for Dosing Additives in the Food Industry Using Quality Function Deployment. Journal of Food Process Engineering, 2014, 37, 387-395.	2.9	5