Gonzalo Diarce Belloso

List of Publications by Year
in descending order

23 papers	667 citations	623734 14 h-index	794594 19 g-index
24 all docs	24 docs citations	24 times ranked	783 citing authors

#	Article	IF	Citations
1	Intercomparative tests on phase change materials characterisation with differential scanning calorimeter. Applied Energy, 2013, 109, 415-420.	10.1	117
2	Design and feasibility of high temperature shell and tube latent heat thermal energy storage system for solar thermal power plants. Renewable Energy, 2016, 96, 120-136.	8.9	84
3	A comparative study of the CFD modeling of a ventilated active faÃ§ade including phase change materials. Applied Energy, 2014, 126, 307-317.	10.1	76
4	Ventilated active faÃ§ades with PCM. Applied Energy, 2013, 109, 530-537.	10.1	59
5	Thermal enhanced cement-lime mortars with phase change materials (PCM), lightweight aggregate and cellulose fibers. Construction and Building Materials, 2019, 221, 586-594.	7.2	49
6	Development and comparative analysis of the modeling of an innovative finned-plate latent heat thermal energy storage system. Energy, 2013, 58, 438-447.	8.8	36
7	Solar energy system for heating and domestic hot water supply by means of a heat pump coupled to a photovoltaic ventilated faÃ§ade. Solar Energy, 2019, 183, 453-462.	6.1	36
8	Design of a Finned Plate Latent Heat Thermal Energy Storage System for Domestic Applications. Energy Procedia, 2014, 48, 300-308.	1.8	32
9	The error of neglecting natural convection in high temperature vertical shell-and-tube latent heat thermal energy storage systems. Solar Energy, 2018, 174, 489-501.	6.1	30
10	The role of the design and operation of individual heating systems for the energy retrofits of residential buildings. Energy Conversion and Management, 2016, 126, 736-747.	9.2	24
11	An improved, generalized effective thermal conductivity method for rapid design of high temperature shell-and-tube latent heat thermal energy storage systems. Renewable Energy, 2019, 132, 694-708.	8.9	23
12	A novel correlation for the direct determination of the discharging time of plate-based latent heat thermal energy storage systems. Applied Thermal Engineering, 2018, 129, 521-534.	6.0	17
13	IEA SHC Task 42 / ECES Annex 29 â€“ Working Group B: Applications of Compact Thermal Energy Storage. Energy Procedia, 2016, 91, 231-245.	1.8	16
14	IEA SHC Task 42 / ECES Annex 29 WG A1: Engineering and Processing of PCMs, TCMs and Sorption Materials. Energy Procedia, 2016, 91, 207-217.	1.8	14
15	Parametric characterization of a full-scale plate-based latent heat thermal energy storage system. Applied Thermal Engineering, 2020, 178, 115441.	6.0	12
16	Experimental Devices to Investigate the Long-Term Stability of Phase Change Materials under Application Conditions. Applied Sciences (Switzerland), 2020, 10, 7968.	2.5	11
17	A simple method for the design of thermal energy storage systems. Energy Storage, 2020, 2, e140.	4.3	8
18	Technical Performance Assessment of Phase Change Material Components. , 2019, , .		5

#	Article	IF	Citations
19	Validation of heat transfer models for PCMs with a conductivimeter. Energy Procedia, 2012, 30, 395-403.	1.8	4
20	Long-term assessment of the thermal stability of sodium nitrate-urea eutectic phase change material. Solar Energy Materials and Solar Cells, 2021, 230, 111261.	6.2	3
21	Unsupervised Clustering for Pattern Recognition of Heating Energy Demand in Buildings Connected to District-Heating Network. , 2021, , .		1
22	PROBLEM â€“ SOLVING IN THERMAL ENGINEERING BASED ON FLIPPED LEARNING METHODOLOGY. EDULEARN Proceedings, 2018, , .	0.0	0
23	INTRODUCING SUSTAINABILITY AND THE AGENDA 2030 IN ENGINEERING DEGREES THROUGH THE RESEARCH BASED LEARNING METHODOLOGY. , 2020, , .		0