

Gonzalo Diarce Belloso

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

667
citations

623188

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h-index

794141

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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.	5.1	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.	4.3	84
3	A comparative study of the CFD modeling of a ventilated active façade including phase change materials. Applied Energy, 2014, 126, 307-317.	5.1	76
4	Ventilated active façades with PCM. Applied Energy, 2013, 109, 530-537.	5.1	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.	3.2	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.	4.5	36
7	Solar energy system for heating and domestic hot water supply by means of a heat pump coupled to a photovoltaic ventilated façade. Solar Energy, 2019, 183, 453-462.	2.9	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.	2.9	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.	4.4	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.	4.3	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.	3.0	17
13	IEA SHC Task 42 / ECES Annex 29 " 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.	3.0	12
16	Experimental Devices to Investigate the Long-Term Stability of Phase Change Materials under Application Conditions. Applied Sciences (Switzerland), 2020, 10, 7968.	1.3	11
17	A simple method for the design of thermal energy storage systems. Energy Storage, 2020, 2, e140.	2.3	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.	3.0	3
21	Unsupervised Clustering for Pattern Recognition of Heating Energy Demand in Buildings Connected to District-Heating Network. , 2021, , .		1
22	PROBLEM “ 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