

Jesus Lizana

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,051
citations

471509

17
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

1239
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in thermal energy storage materials and their applications towards zero energy buildings: A critical review. <i>Applied Energy</i> , 2017, 203, 219-239.	10.1	270
2	Advanced low-carbon energy measures based on thermal energy storage in buildings: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3705-3749.	16.4	104
3	Energy flexible building through smart demand-side management and latent heat storage. <i>Applied Energy</i> , 2018, 230, 471-485.	10.1	95
4	Identification of potential indoor air pollutants in schools. <i>Journal of Cleaner Production</i> , 2020, 242, 118420.	9.3	82
5	Multi-criteria assessment for the effective decision management in residential energy retrofitting. <i>Energy and Buildings</i> , 2016, 129, 284-307.	6.7	58
6	Energy and water consumption and carbon footprint of school buildings in hot climate conditions. Results from life cycle assessment. <i>Journal of Cleaner Production</i> , 2018, 195, 1326-1337.	9.3	50
7	District heating systems based on low-carbon energy technologies in Mediterranean areas. <i>Energy</i> , 2017, 120, 397-416.	8.8	43
8	Passive cooling through phase change materials in buildings. A critical study of implementation alternatives. <i>Applied Energy</i> , 2019, 254, 113658.	10.1	42
9	Natural ventilation in classrooms for healthy schools in the COVID era in Mediterranean climate. <i>Building and Environment</i> , 2021, 206, 108345.	6.9	41
10	Energy assessment method towards low-carbon energy schools. <i>Energy</i> , 2018, 159, 310-326.	8.8	39
11	Dry carbonate process for CO ₂ capture and storage: Integration with solar thermal power. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1796-1812.	16.4	31
12	Integration of solar latent heat storage towards optimal small-scale combined heat and power generation by Organic Rankine Cycle. <i>Journal of Energy Storage</i> , 2020, 29, 101367.	8.1	29
13	Indoor environmental quality in social housing with elderly occupants in Spain: Measurement results and retrofit opportunities. <i>Journal of Building Engineering</i> , 2020, 30, 101264.	3.4	28
14	Identification of best available thermal energy storage compounds for low-to-moderate temperature storage applications in buildings. <i>Materiales De Construccion</i> , 2018, 68, 160.	0.7	26
15	Decision-support method for profitable residential energy retrofitting based on energy-related occupant behaviour. <i>Journal of Cleaner Production</i> , 2019, 222, 622-632.	9.3	23
16	Contribution of indoor microenvironments to the daily inhaled dose of air pollutants in children. The importance of bedrooms. <i>Building and Environment</i> , 2020, 183, 107188.	6.9	20
17	Biomass District Heating Systems Based on Agriculture Residues. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 476.	2.5	18
18	Integrating courtyard microclimate in building performance to mitigate extreme urban heat impacts. <i>Sustainable Cities and Society</i> , 2022, 78, 103590.	10.4	15

#	ARTICLE	IF	CITATIONS
19	A methodology to empower citizens towards a low-carbon economy. The potential of schools and sustainability indicators. Journal of Environmental Management, 2021, 284, 112043.	7.8	14
20	Advanced parametrisation of phase change materials through kinetic approach. Journal of Energy Storage, 2021, 44, 103441.	8.1	7
21	Passive action strategies in schools: A scientific mapping towards eco-efficiency in educational buildings. Journal of Building Engineering, 2022, 45, 103598.	3.4	7
22	Monitoring and analytics to measure heat resilience of buildings and support retrofitting by passive cooling. Journal of Building Engineering, 2022, 57, 104985.	3.4	5
23	Advanced lightweight steel floor towards high sound insulation and fire resistance. Journal of Constructional Steel Research, 2020, 169, 106023.	3.9	2
24	Outdoor Microclimate Influence on Building Performance: Simulation Tools, Challenges, and Opportunities. Lecture Notes in Civil Engineering, 2022, , 103-121.	0.4	2