

Gilles Lefebvre

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

540
citations

758635

12
h-index

1058022

14
g-index

15
all docs

15
docs citations

15
times ranked

690
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Ultracapacitors and Batteries for Efficient Energy Management in Wind-Diesel Hybrid System. IEEE Transactions on Sustainable Energy, 2013, 4, 414-424.	5.9	118
2	Drivers of sustainable cleaner production and sustainable energy options. Journal of Cleaner Production, 2016, 138, 1-7.	4.6	86
3	Elaboration and properties of a composite bio-based PCM for an application in building envelopes. Construction and Building Materials, 2018, 185, 156-165.	3.2	81
4	vegetable fat: A low-cost bio-based phase change material for thermal energy storage in buildings. Journal of Building Engineering, 2019, 21, 222-229.	1.6	45
5	Using model size reduction techniques for thermal control applications in buildings. Energy and Buildings, 2000, 33, 1-14.	3.1	37
6	Investigation and properties of a novel composite bio-PCM to reduce summer energy consumptions in buildings of hot and dry climates. Solar Energy, 2021, 214, 119-130.	2.9	35
7	Stolen heating or cooling energy evaluation in collective buildings using model inversion techniques. Energy and Buildings, 2003, 35, 293-303.	3.1	25
8	Thermal properties of adobe employed in Peruvian rural areas: Experimental results and numerical simulation of a traditional bio-composite material. Case Studies in Construction Materials, 2017, 6, 177-191.	0.8	25
9	Preparation and thermal characterization of a composite Paraffin/Red Brick as a novel form-stable of phase change material for thermal energy storage. International Journal of Hydrogen Energy, 2015, 40, 13771-13776.	3.8	23
10	Control and Restrictions of a Hybrid Renewable Energy System Connected to the Grid: A Battery and Supercapacitor Storage Case. Energies, 2019, 12, 2776.	1.6	22
11	Evaluating the Economic Benefits of a Smart-Community Microgrid with Centralized Electrical Storage and Photovoltaic Systems. Energies, 2020, 13, 1764.	1.6	19
12	Preparation and characterization of stearic acid/olive pomace powder composite as form-stable phase change material. International Journal of Hydrogen Energy, 2015, 40, 13764-13770.	3.8	18
13	A New Inverse Method Using Model Synthesis: Application to Thermal Systems. Numerical Heat Transfer, Part B: Fundamentals, 2006, 49, 513-536.	0.6	2
14	Comparison of integer and fractional order controller of battery discharge based DC-DC converter. , 2016, , .		2
15	Investigation of White Vaseline as an alternative phase change material for thermal regulation of physiological birth rooms. Journal of Building Engineering, 2021, 44, 102669.	1.6	2