Andrea Gutierrez

List of Publications by Year
in descending order

14	875	933447 10	1058476 14
papers	citations	h-index	g-index

14	14	14	990
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on encapsulation techniques for inorganic phase change materials and the influence on their thermophysical properties. Renewable and Sustainable Energy Reviews, 2017, 73, 983-999.	16.4	345
2	Advances in the valorization of waste and by-product materials as thermal energy storage (TES) materials. Renewable and Sustainable Energy Reviews, 2016, 59, 763-783.	16.4	109
3	Lithium in thermal energy storage: A state-of-the-art review. Renewable and Sustainable Energy Reviews, 2015, 42, 1106-1112.	16.4	92
4	Thermochemical energy storage with CaO/Ca(OH)2 â€“ Experimental investigation of the thermal capability at low vapor pressures in a lab scale reactor. Applied Energy, 2017, 188, 672-681.	10.1	83
5	Thermophysical characterization of a by-product from the non-metallic industry as inorganic PCM. Solar Energy Materials and Solar Cells, 2015, 132, 385-391.	6.2	59
6	Characterization of wastes based on inorganic double salt hydrates as potential thermal energy storage materials. Solar Energy Materials and Solar Cells, 2017, 170, 149-159.	6.2	49
7	Reduction of the subcooling of bischofite with the use of nucleatings agents. Solar Energy Materials and Solar Cells, 2016, 157, 1011-1018.	6.2	39
8	Use of polyethylene glycol for the improvement of the cycling stability of bischofite as thermal energy storage material. Applied Energy, 2015, 154, 616-621.	10.1	33
9	Enthalpy-temperature plots to compare calorimetric measurements of phase change materials at different sample scales. Journal of Energy Storage, 2018, 15, 32-38.	8.1	26
10	Thermal performance evaluation of bischofite at pilot plant scale. Applied Energy, 2015, 155, 826-833.	10.1	14
11	High Carnallite-Bearing Material for Thermochemical Energy Storage: Thermophysical Characterization. ACS Sustainable Chemistry and Engineering, 2018, 6, 6135-6145.	6.7	11
12	Influence of alkaline chlorides on thermal energy storage properties of bischofite. International Journal of Energy Research, 2016, 40, 1556-1563.	4.5	8
13	Industrial waste materials and by-products as thermal energy storage (TES) materials: A review. AIP Conference Proceedings, 2016, , .	0.4	4
14	Investigation of Ca12Al14O33 Mayenite for hydration/dehydration thermochemical energy storage. Journal of Energy Storage, 2020, 31, 101647.	8.1	3