

Andrea Gutierrez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

644
citations

10
h-index

14
g-index

14
ext. papers

748
ext. citations

9.7
avg, IF

4.16
L-index

#	Paper	IF	Citations
14	Investigation of Ca ₁₂ Al ₁₄ O ₃₃ Mayenite for hydration/dehydration thermochemical energy storage. <i>Journal of Energy Storage</i> , 2020 , 31, 101647	7.8	3
13	High Carnallite-Bearing Material for Thermochemical Energy Storage: Thermophysical Characterization. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6135-6145	8.3	9
12	Enthalpy-temperature plots to compare calorimetric measurements of phase change materials at different sample scales. <i>Journal of Energy Storage</i> , 2018 , 15, 32-38	7.8	22
11	A review on encapsulation techniques for inorganic phase change materials and the influence on their thermophysical properties. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 983-999	16.2	232
10	Characterization of wastes based on inorganic double salt hydrates as potential thermal energy storage materials. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 170, 149-159	6.4	39
9	Thermochemical energy storage with CaO/Ca(OH) ₂ Experimental investigation of the thermal capability at low vapor pressures in a lab scale reactor. <i>Applied Energy</i> , 2017 , 188, 672-681	10.7	60
8	Influence of alkaline chlorides on thermal energy storage properties of bischofite. <i>International Journal of Energy Research</i> , 2016 , 40, 1556-1563	4.5	7
7	Advances in the valorization of waste and by-product materials as thermal energy storage (TES) materials. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 59, 763-783	16.2	83
6	Industrial waste materials and by-products as thermal energy storage (TES) materials: A review 2016 ,		3
5	Reduction of the subcooling of bischofite with the use of nucleating agents. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 157, 1011-1018	6.4	28
4	Thermal performance evaluation of bischofite at pilot plant scale. <i>Applied Energy</i> , 2015 , 155, 826-833	10.7	12
3	Use of polyethylene glycol for the improvement of the cycling stability of bischofite as thermal energy storage material. <i>Applied Energy</i> , 2015 , 154, 616-621	10.7	23
2	Lithium in thermal energy storage: A state-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 42, 1106-1112	16.2	77
1	Thermophysical characterization of a by-product from the non-metallic industry as inorganic PCM. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 132, 385-391	6.4	46