

# Andrea Gutierrez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5417390/publications.pdf>

Version: 2024-02-01

14  
papers

875  
citations

933264

10  
h-index

1058333

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

990  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.2	345
2	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.	8.2	109
3	Lithium in thermal energy storage: A state-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 1106-1112.	8.2	92
4	Thermochemical energy storage with CaO/Ca(OH) <sub>2</sub> – Experimental investigation of the thermal capability at low vapor pressures in a lab scale reactor. <i>Applied Energy</i> , 2017, 188, 672-681.	5.1	83
5	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.	3.0	59
6	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.	3.0	49
7	Reduction of the subcooling of bischofite with the use of nucleating agents. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 1011-1018.	3.0	39
8	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.	5.1	33
9	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.	3.9	26
10	Thermal performance evaluation of bischofite at pilot plant scale. <i>Applied Energy</i> , 2015, 155, 826-833.	5.1	14
11	High Carnallite-Bearing Material for Thermochemical Energy Storage: Thermophysical Characterization. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6135-6145.	3.2	11
12	Influence of alkaline chlorides on thermal energy storage properties of bischofite. <i>International Journal of Energy Research</i> , 2016, 40, 1556-1563.	2.2	8
13	Industrial waste materials and by-products as thermal energy storage (TES) materials: A review. <i>AIP Conference Proceedings</i> , 2016, . .	0.3	4
14	Investigation of Ca <sub>12</sub> Al <sub>14</sub> O <sub>33</sub> Mayenite for hydration/dehydration thermochemical energy storage. <i>Journal of Energy Storage</i> , 2020, 31, 101647.	3.9	3