

Gerald Englmaier

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9198570/gerald-englmaier-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

19
papers

235
citations

9
h-index

15
g-index

22
ext. papers

338
ext. citations

5.7
avg. IF

3.46
L-index

#	Paper	IF	Citations
19	Investigation on an air solar-driven open sorption system for comfort cooling. <i>Solar Energy</i> , 2022 , 231, 57-71	6.8	0
18	Design optimization of a latent heat storage using sodium acetate trihydrate. <i>Journal of Energy Storage</i> , 2022 , 52, 104798	7.8	0
17	Experimental and numerical study of a latent heat storage using sodium acetate trihydrate for short and long term applications. <i>Journal of Energy Storage</i> , 2021 , 103588	7.8	0
16	Thermal characteristics of a long-term heat storage unit with sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , 2021 , 187, 116563	5.8	6
15	Review on sodium acetate trihydrate in flexible thermal energy storages: Properties, challenges and applications. <i>Journal of Energy Storage</i> , 2021 , 40, 102780	7.8	5
14	Demonstration of a solar combi-system utilizing stable supercooling of sodium acetate trihydrate for heat storage. <i>Applied Thermal Engineering</i> , 2020 , 166, 114647	5.8	14
13	Experimental investigation of a tank-in-tank heat storage unit utilizing stable supercooling of sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , 2020 , 167, 114709	5.8	7
12	Experimental Devices to Investigate the Long-Term Stability of Phase Change Materials under Application Conditions. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7968	2.6	5
11	A solar combi-system utilizing stable supercooling of sodium acetate trihydrate for heat storage: Numerical performance investigation. <i>Applied Energy</i> , 2019 , 242, 1108-1120	10.7	17
10	Simulation Study of a Novel Solar Thermal Seasonal Heat Storage System Based on Stable Supercooled PCM for Space Heating and Domestic Hot Water Supply of Single Family Houses. <i>Applied Mechanics and Materials</i> , 2019 , 887, 650-658	0.3	1
9	Experimental investigations on phase separation for different heights of sodium acetate water mixtures under different conditions. <i>Applied Thermal Engineering</i> , 2019 , 148, 796-805	5.8	8
8	Design and functionality of a segmented heat-storage prototype utilizing stable supercooling of sodium acetate trihydrate in a solar heating system. <i>Applied Energy</i> , 2018 , 221, 522-534	10.7	34
7	Crystallization by local cooling of supercooled sodium acetate trihydrate composites for long-term heat storage. <i>Energy and Buildings</i> , 2018 , 180, 159-171	7	19
6	Fluid dynamics simulations for an open-sorption heat storage drum reactor based on thermophysical kinetics and experimental observations. <i>Applied Thermal Engineering</i> , 2016 , 107, 994-1007	5.8	6
5	Experimental investigations on heat content of supercooled sodium acetate trihydrate by a simple heat loss method. <i>Solar Energy</i> , 2016 , 139, 249-257	6.8	30
4	Laboratory Testing of Solar Combi System with Compact Long Term PCM Heat Storage. <i>Energy Procedia</i> , 2016 , 91, 330-337	2.3	9
3	Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source. <i>Energy Procedia</i> , 2016 , 91, 138-144	2.3	10

- | | | | |
|---|--|-----|----|
| 2 | An Open Sorption Heat Storage Concept and Materials for Building Heat Supply. <i>Energy Procedia</i> , 2015 , 73, 297-304 | 2.3 | 15 |
| 1 | Development of a revolving drum reactor for open-sorption heat storage processes. <i>Applied Thermal Engineering</i> , 2014 , 70, 42-49 | 5.8 | 47 |