

Gerald Englmaier

List of Publications by Citations

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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.

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	Development of a revolving drum reactor for open-sorption heat storage processes. <i>Applied Thermal Engineering</i> , 2014 , 70, 42-49	5.8	47
18	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
17	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
16	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
15	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
14	An Open Sorption Heat Storage Concept and Materials for Building Heat Supply. <i>Energy Procedia</i> , 2015 , 73, 297-304	2.3	15
13	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
12	Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source. <i>Energy Procedia</i> , 2016 , 91, 138-144	2.3	10
11	Laboratory Testing of Solar Combi System with Compact Long Term PCM Heat Storage. <i>Energy Procedia</i> , 2016 , 91, 330-337	2.3	9
10	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
9	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
8	Thermal characteristics of a long-term heat storage unit with sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , 2021 , 187, 116563	5.8	6
7	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
6	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
5	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
4	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
3	Investigation on an air solar-driven open sorption system for comfort cooling. <i>Solar Energy</i> , 2022 , 231, 57-71	6.8	0

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| 2 | 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 | o |
| 1 | Design optimization of a latent heat storage using sodium acetate trihydrate. <i>Journal of Energy Storage</i> , 2022 , 52, 104798 | 7.8 | o |