

Mark Dannemand

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.

22
papers

538
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22
ext. papers

692
ext. citations

5.6
avg, IF

4.21
L-index

#	Paper	IF	Citations
22	Solidification behavior and thermal conductivity of bulk sodium acetate trihydrate composites with thickening agents and graphite. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 145, 287-295	6.4	68
21	Long term thermal energy storage with stable supercooled sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , 2015 , 91, 671-678	5.8	61
20	Experimental investigations on prototype heat storage units utilizing stable supercooling of sodium acetate trihydrate mixtures. <i>Applied Energy</i> , 2016 , 169, 72-80	10.7	51
19	Thermal stratification built up in hot water tank with different inlet stratifiers. <i>Solar Energy</i> , 2017 , 147, 414-425	6.8	47
18	Performance of a demonstration solar PVT assisted heat pump system with cold buffer storage and domestic hot water storage tanks. <i>Energy and Buildings</i> , 2019 , 188-189, 46-57	7	43
17	Experimental investigations on cylindrical latent heat storage units with sodium acetate trihydrate composites utilizing supercooling. <i>Applied Energy</i> , 2016 , 177, 591-601	10.7	39
16	Thermal Conductivity Enhancement of Sodium Acetate Trihydrate by Adding Graphite Powder and the Effect on Stability of Supercooling. <i>Energy Procedia</i> , 2015 , 70, 249-256	2.3	36
15	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
14	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
13	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
12	Laboratory Test of a Prototype Heat Storage Module Based on Stable Supercooling of Sodium Acetate Trihydrate. <i>Energy Procedia</i> , 2015 , 70, 172-181	2.3	17
11	Simulation and optimization of a hybrid unglazed solar photovoltaic-thermal collector and heat pump system with two storage tanks. <i>Energy Conversion and Management</i> , 2020 , 206, 112429	10.6	13
10	IEA SHC Task 42 / ECES Annex 29 Working Group B: Applications of Compact Thermal Energy Storage. <i>Energy Procedia</i> , 2016 , 91, 231-245	2.3	13
9	Thermal Behavior of a Heat Exchanger Module for Seasonal Heat Storage. <i>Energy Procedia</i> , 2012 , 30, 244-254	2.3	12
8	Porosity and density measurements of sodium acetate trihydrate for thermal energy storage. <i>Applied Thermal Engineering</i> , 2018 , 131, 707-714	5.8	11
7	Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source. <i>Energy Procedia</i> , 2016 , 91, 138-144	2.3	10
6	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

5	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
4	Thermal characteristics of a long-term heat storage unit with sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , 2021 , 187, 116563	5.8	6
3	Validation of a CFD Model Simulating Charge and Discharge of a Small Heat Storage Test Module based on a Sodium Acetate Water Mixture. <i>Energy Procedia</i> , 2014 , 57, 2451-2460	2.3	5
2	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
1	Laboratory Test of a Cylindrical Heat Storage Module with Water and Sodium Acetate Trihydrate. <i>Energy Procedia</i> , 2016 , 91, 122-127	2.3	3