

# Mark Dannemand

## 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.

22  
papers

538  
citations

13  
h-index

22  
g-index

22  
ext. papers

692  
ext. citations

5.6  
avg, IF

4.21  
L-index

#	Paper	IF	Citations
22	Thermal characteristics of a long-term heat storage unit with sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , <b>2021</b> , 187, 116563	5.8	6
21	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> , <b>2020</b> , 206, 112429	10.6	13
20	Experimental investigation of a tank-in-tank heat storage unit utilizing stable supercooling of sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , <b>2020</b> , 167, 114709	5.8	7
19	Experimental Devices to Investigate the Long-Term Stability of Phase Change Materials under Application Conditions. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7968	2.6	5
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> , <b>2019</b> , 188-189, 46-57	7	43
17	Experimental investigations on phase separation for different heights of sodium acetate water mixtures under different conditions. <i>Applied Thermal Engineering</i> , <b>2019</b> , 148, 796-805	5.8	8
16	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> , <b>2018</b> , 221, 522-534	10.7	34
15	Porosity and density measurements of sodium acetate trihydrate for thermal energy storage. <i>Applied Thermal Engineering</i> , <b>2018</b> , 131, 707-714	5.8	11
14	Crystallization by local cooling of supercooled sodium acetate trihydrate composites for long-term heat storage. <i>Energy and Buildings</i> , <b>2018</b> , 180, 159-171	7	19
13	Thermal stratification built up in hot water tank with different inlet stratifiers. <i>Solar Energy</i> , <b>2017</b> , 147, 414-425	6.8	47
12	Experimental investigations on cylindrical latent heat storage units with sodium acetate trihydrate composites utilizing supercooling. <i>Applied Energy</i> , <b>2016</b> , 177, 591-601	10.7	39
11	Solidification behavior and thermal conductivity of bulk sodium acetate trihydrate composites with thickening agents and graphite. <i>Solar Energy Materials and Solar Cells</i> , <b>2016</b> , 145, 287-295	6.4	68
10	Experimental investigations on prototype heat storage units utilizing stable supercooling of sodium acetate trihydrate mixtures. <i>Applied Energy</i> , <b>2016</b> , 169, 72-80	10.7	51
9	Laboratory Test of a Cylindrical Heat Storage Module with Water and Sodium Acetate Trihydrate. <i>Energy Procedia</i> , <b>2016</b> , 91, 122-127	2.3	3
8	IEA SHC Task 42 / ECES Annex 29 Working Group B: Applications of Compact Thermal Energy Storage. <i>Energy Procedia</i> , <b>2016</b> , 91, 231-245	2.3	13
7	Experimental investigations on heat content of supercooled sodium acetate trihydrate by a simple heat loss method. <i>Solar Energy</i> , <b>2016</b> , 139, 249-257	6.8	30
6	Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source. <i>Energy Procedia</i> , <b>2016</b> , 91, 138-144	2.3	10

5	Long term thermal energy storage with stable supercooled sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , <b>2015</b> , 91, 671-678	5.8	61
4	Thermal Conductivity Enhancement of Sodium Acetate Trihydrate by Adding Graphite Powder and the Effect on Stability of Supercooling. <i>Energy Procedia</i> , <b>2015</b> , 70, 249-256	2.3	36
3	Laboratory Test of a Prototype Heat Storage Module Based on Stable Supercooling of Sodium Acetate Trihydrate. <i>Energy Procedia</i> , <b>2015</b> , 70, 172-181	2.3	17
2	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> , <b>2014</b> , 57, 2451-2460	2.3	5
1	Thermal Behavior of a Heat Exchanger Module for Seasonal Heat Storage. <i>Energy Procedia</i> , <b>2012</b> , 30, 244-254	2.3	12