

Mark Dannemand

List of Publications by Year in descending order

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22
papers

814
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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. | 3.0 | 91 |
| 2 | Long term thermal energy storage with stable supercooled sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , 2015, 91, 671-678. | 3.0 | 90 |
| 3 | Thermal stratification built up in hot water tank with different inlet stratifiers. <i>Solar Energy</i> , 2017, 147, 414-425. | 2.9 | 69 |
| 4 | 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. | 3.1 | 69 |
| 5 | Experimental investigations on prototype heat storage units utilizing stable supercooling of sodium acetate trihydrate mixtures. <i>Applied Energy</i> , 2016, 169, 72-80. | 5.1 | 66 |
| 6 | 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. | 5.1 | 58 |
| 7 | Experimental investigations on cylindrical latent heat storage units with sodium acetate trihydrate composites utilizing supercooling. <i>Applied Energy</i> , 2016, 177, 591-601. | 5.1 | 56 |
| 8 | 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. | 1.8 | 46 |
| 9 | Experimental investigations on heat content of supercooled sodium acetate trihydrate by a simple heat loss method. <i>Solar Energy</i> , 2016, 139, 249-257. | 2.9 | 42 |
| 10 | 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. | 4.4 | 41 |
| 11 | Crystallization by local cooling of supercooled sodium acetate trihydrate composites for long-term heat storage. <i>Energy and Buildings</i> , 2018, 180, 159-171. | 3.1 | 34 |
| 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. | 1.8 | 22 |
| 13 | Thermal characteristics of a long-term heat storage unit with sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , 2021, 187, 116563. | 3.0 | 21 |
| 14 | 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. | 3.0 | 19 |
| 15 | Thermal Behavior of a Heat Exchanger Module for Seasonal Heat Storage. <i>Energy Procedia</i> , 2012, 30, 244-254. | 1.8 | 16 |
| 16 | IEA SHC Task 42 / ECES Annex 29 "Working Group B: Applications of Compact Thermal Energy Storage. <i>Energy Procedia</i> , 2016, 91, 231-245. | 1.8 | 16 |
| 17 | Porosity and density measurements of sodium acetate trihydrate for thermal energy storage. <i>Applied Thermal Engineering</i> , 2018, 131, 707-714. | 3.0 | 14 |
| 18 | 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. | 3.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source. Energy Procedia, 2016, 91, 138-144. | 1.8 | 11 |
| 20 | Experimental Devices to Investigate the Long-Term Stability of Phase Change Materials under Application Conditions. Applied Sciences (Switzerland), 2020, 10, 7968. | 1.3 | 11 |
| 21 | Validation of a CFD Model Simulating Charge and Discharge of a Small Heat Storage Test Module based on a Sodium Acetate Water Mixture. Energy Procedia, 2014, 57, 2451-2460. | 1.8 | 6 |
| 22 | Laboratory Test of a Cylindrical Heat Storage Module with Water and Sodium Acetate Trihydrate. Energy Procedia, 2016, 91, 122-127. | 1.8 | 4 |