

Jakob Brink Berg

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.

20 papers	437 citations	11 h-index	20 g-index
21 ext. papers	565 ext. citations	5.2 avg, IF	3.9 L-index

#	Paper	IF	Citations
20	Long term thermal energy storage with stable supercooled sodium acetate trihydrate. <i>Applied Thermal Engineering</i> , 2015 , 91, 671-678	5.8	61
19	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
18	10 questions concerning sustainable building renovation. <i>Building and Environment</i> , 2018 , 143, 130-137	6.5	51
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	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
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	Porosity and density measurements of sodium acetate trihydrate for thermal energy storage. <i>Applied Thermal Engineering</i> , 2018 , 131, 707-714	5.8	11
8	Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source. <i>Energy Procedia</i> , 2016 , 91, 138-144	2.3	10
7	Laboratory Testing of Solar Combi System with Compact Long Term PCM Heat Storage. <i>Energy Procedia</i> , 2016 , 91, 330-337	2.3	9
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	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
2	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
1	Reconfiguring the construction value chain: analysing key sources of friction in the business model archetypes of AEC companies in strategic partnerships. <i>Construction Management and Economics</i> , 1-16	3	2