

Thermochemical energy storage system for cooling and review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Experimental Comparison of Innovative Composite Sorbents for Space Heating and Domestic Hot Water Storage. <i>Crystals</i> , 2021, 11, 476.	2.2	12
2	Survey Summary on Salts Hydrates and Composites Used in Thermochemical Sorption Heat Storage: A Review. <i>Energies</i> , 2021, 14, 3105.	3.1	24
3	Performance analysis of a K ₂ CO ₃ -based thermochemical energy storage system using a honeycomb structured heat exchanger. <i>Journal of Energy Storage</i> , 2021, 38, 102563.	8.1	29
4	Heat Transfer Enhancement of Indirect Heat Transfer Reactors for Ca(OH) ₂ /CaO Thermochemical Energy Storage System. <i>Processes</i> , 2021, 9, 1136.	2.8	6
5	Recent Status and Prospects on Thermochemical Heat Storage Processes and Applications. <i>Entropy</i> , 2021, 23, 953.	2.2	21
6	Review on the Integration of Phase Change Materials in Building Envelopes for Passive Latent Heat Storage. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9305.	2.5	20
7	High-Temperature Thermochemical Heat Storage Performance of CaO Honeycombs During CaO/CaCO ₃ Cycles. <i>Energy & Fuels</i> , 2021, 35, 16882-16893.	5.1	6
8	Prospects and characteristics of thermal and electrochemical energy storage systems. <i>Journal of Energy Storage</i> , 2021, 44, 103443.	8.1	22
9	Analogy Between Thermal, Mechanical, and Electrical Energy Storage Systems. , 2022, , 315-328.		2
10	Salt hydrate-based gas-solid thermochemical energy storage: Current progress, challenges, and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111846.	16.4	49
11	Techno-economic analysis of metal-hydride energy storage to enable year-round load-shifting for residential heat pumps. <i>Energy and Buildings</i> , 2022, 256, 111700.	6.7	6
12	Life-Cycle Assessment of phase-change materials in buildings: A review. <i>Journal of Cleaner Production</i> , 2022, 336, 130359.	9.3	20
13	Parametric optimization of coupled fin-metal foam metal hydride bed towards enhanced hydrogen absorption performance of metal hydride hydrogen storage device. <i>Energy</i> , 2022, 243, 123044.	8.8	31
14	Recent advances in multistage sorption thermal energy storage systems. <i>Journal of Energy Storage</i> , 2022, 45, 103683.	8.1	9
15	Investigation of hydration/dehydration processes in a fluidized bed reactor using MgO/Mg(OH) ₂ thermochemical energy storage system. <i>Solar Energy</i> , 2022, 231, 630-645.	6.1	12
16	Optimization of shell and tube thermal energy storage unit based on the effects of adding fins, nanoparticles and rotational mechanism. <i>Journal of Cleaner Production</i> , 2022, 331, 129922.	9.3	38
17	Solar-thermal energy conversion prediction of building envelope using thermochemical sorbent based on established reaction kinetics. <i>Energy Conversion and Management</i> , 2022, 252, 115117.	9.2	21
18	Energy storage on demand: Thermal energy storage development, materials, design, and integration challenges. <i>Energy Storage Materials</i> , 2022, 46, 192-222.	18.0	92

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19	Macroscopic and microscopic investigations of low-temperature thermochemical heat storage reactors: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112152.	16.4	7
20	CO ₂ capture-driven thermal battery using functionalized solvents for plus energy building application. <i>Energy Conversion and Management</i> , 2022, 260, 115606.	9.2	5
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