

Form-stable phase change materials based on graphene  
effective solar energy photothermal conversion and sto

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of the Preparation Methodology of Polydopamine-Containing Systems over Light-to-Thermal Energy Conversion Performance. <i>ACS Applied Polymer Materials</i> , 2023, 5, 4448-4458.	4.4	1
2	Recent advances of solar thermal conversion with wide absorption spectrum based on plasmonic nanofluids. <i>Solar Energy</i> , 2023, 262, 111858.	6.1	6
3	Effects of carbonization temperature on the thermal characteristics of shape-stable composite phase change materials based on silica aerogel. <i>Journal of Energy Storage</i> , 2023, 72, 108457.	8.1	3
4	A structured phase change material integrated by MXene/AgNWs modified dual-network and polyethylene glycol for energy storage and thermal management. <i>Applied Energy</i> , 2023, 349, 121658.	10.1	23
5	Three-dimensional hierarchical porous carbon surface-decorated graphitic carbon foam/stearic acid composite as high-performance shape-stabilized phase change material with desirable photothermal conversion efficiency. <i>Applied Energy</i> , 2023, 352, 121995.	10.1	3
6	Experimental Study on a Novel Form-Stable Phase Change Material Based on Solid Waste Iron Tailings as Supporting Material for Thermal Energy Storage. <i>Energies</i> , 2023, 16, 7037.	3.1	0
7	Flexible, Thermally Stable, and Ultralightweight Polyimide-CNT Aerogel Composite Films for Energy Storage Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 0, , .	8.0	0
8	Shape-stabilized phase change materials based on polyvinyl alcohol/graphene hybrid aerogels for efficient solar-thermal energy conversion. <i>Materials Science in Semiconductor Processing</i> , 2024, 169, 107931.	4.0	0
9	Double Carbon Networks Reinforce the Thermal Storage and Thermal Transfer Properties of 1-Octadecanol Phase Change Materials. <i>Materials</i> , 2023, 16, 7067.	2.9	1
10	Graphene Aerogels Embedded with Boron Nitride Nanoparticles for Solar Energy Storage and Flame-Retardant Materials. <i>ACS Applied Nano Materials</i> , 2023, 6, 21270-21281.	5.0	1
11	Effects of porous carbon materials on heat storage performance of CaCl <sub>2</sub> hydrate for low-grade thermal energy. <i>RSC Advances</i> , 2023, 13, 32567-32581.	3.6	0
12	Photo-cured phase change energy storage material with photo-thermal conversion, self-cleaning and electromagnetic shielding performances via the lamellar structure strengthened by segment rearrangement of dynamic disulfide bond. <i>Journal of Materiomics</i> , 2023, , .	5.7	0
13	A novel bio-based composite phase change material with excellent photo-thermal conversion capability for solar energy harvesting and energy storage. <i>Journal of Energy Storage</i> , 2024, 78, 110067.	8.1	0
14	Efficient enhancement of photothermal conversion of polymer-coated phase change materials based on reduced graphene oxide and polyethylene glycol. <i>Journal of Energy Storage</i> , 2024, 78, 109950.	8.1	0
15	Performance improvement of phase change materials encapsulated with graphene oxide for thermal storage. <i>Journal of Energy Storage</i> , 2024, 80, 110315.	8.1	0
16	Shape stable composite phase change material with improved thermal conductivity for electrical-to-thermal energy conversion and storage. <i>Materials Today Sustainability</i> , 2024, 25, 100678.	4.1	0
17	Novel organically modified disodium hydrogen phosphate dodecahydrate-based phase change composite for efficient solar energy storage and conversion. <i>Solar Energy Materials and Solar Cells</i> , 2024, 268, 112747.	6.2	1
18	Heat transfer behavior of graphene-based photothermal conversion materials prepared with tube array-porous network composite structure. <i>Journal of Applied Physics</i> , 2024, 135, .	2.5	0

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19	Selection of PEG-Matrix Combinations to Achieve High Performance Form-Stable Phase Change Materials for Building Applications. <i>Coatings</i> , 2024, 14, 250.	2.6	0
20	Construction and mechanism analysis of flame-retardant, energy-storage and transparent bio-based composites based on natural cellulose template. <i>International Journal of Biological Macromolecules</i> , 2024, 263, 130317.	7.5	0
21	A Novel Room-Temperature Flexible Phase Change Material for Solar Energy Photothermal Conversion and Battery Thermal Management. <i>ACS Sustainable Chemistry and Engineering</i> , 2024, 12, 4662-4675.	6.7	0
22	Nano-silver@polydopamine carbonized melamine foam supported polyethylene glycol phase change materials: With simultaneous improved photo-thermal conversion ability. <i>Solar Energy Materials and Solar Cells</i> , 2024, 269, 112762.	6.2	0
23	Solar to thermal energy storage performance of composite phase change material supported by copper foam loaded with graphite and boron nitride. <i>Solar Energy</i> , 2024, 272, 112459.	6.1	0
24	Thermal and photo/electro-thermal conversion characteristics of high energy storage density expanded graphite/polyethylene glycol shaped composite phase change materials. <i>Solar Energy</i> , 2024, 272, 112477.	6.1	0