

Title: Solar heat storage yarn

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Full spectrum heating fiber is a new functional fiber made by adding both light-absorbing and far-infrared heating functional powders to the fiber production ...

Here, an integral solar-heating yarn twisted by both carbon nanotube (CNT) fibers and cotton yarns processed via carbon black slurry is developed for architecting high-efficiency fabric ...

Thermal-management fibers and textiles have emerged as innovative solutions to manipulate heat transport, storage and conversion efficiently. This review explores recent ...

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Keeping the heat A fluid can store solar energy and then release it as heat months later Sunlight can cause a molecule to change structure, and then release heat later.

The combined action of light absorber and paraffin enabled the composite yarn to have bidirectional temperature regulation function. This study provided a simple method to construct a ...

The solar fabric was woven using electronic yarns created by embedding miniature crystalline silicon solar cells connected with fine copper ...

The combined action of light absorber and paraffin enabled the composite yarn to have bidirectional temperature regulation function. This study provided a simple method to construct a multifunctional ...

Here, we present a dual-modal photonic textile capable of autonomously achieving both low-temperature solar heating and high ...

Recent research suggests that seasonal solar heat storage, long considered one of the hardest problems in clean



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energy, may be chemically feasible. A new study, reported by ZME ...

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