Gu zhaolin energy storage

Zhaolin Gu · Wei Wei Electrification of Particulates in Industrial and Natural Multiphase flows Electrification of Particulates in Industrial and Natural Multiphase flows Zhaolin Gu o Wei Wei ...

High energy consumption of the heating, ventilation and air-conditioning (HVAC) system and unsuitable preservation environment for earthen relics are common problems to the ...

The solar energy utilization in built environment has been limited due to its low heat flux, uneven distribution in time and space and temporal difference in day and night. The ...

Membrane distillation technology is a new type of efficient separation technology that combines traditional distillation technology and membrane separation technology. In the study, ...

Solar energy is a clean and renewable energy for building heating, it is an environmentally friendly technology which can effectively reduce building energy consumption. However, so-lar energy ...

Wei, Tong & Shen, Cong & Jiang, Haonan & Xu, Zijun & Gu, Zhaolin & Luo, Xilian, 2025. " Experimental study on cooling performance of underground pipe gallery ventilation enhanced ...

In the system, heat energy is transformed into chemical potential of aqueous lithium bromide solution and the latent energy of refrigerant water. According to the principle of membrane disti...

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The aim of the article is to propose a novel lithium bromide absorption energy storage system driven by solar energy based on membrane distillation technology. In the system, heat energy ...

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Latent heat thermal energy storage systems can be used to recover the rejected heat from air conditioning systems, which can be used to generate low-t...

Traditional thermal energy storage mode cannot achieve long-term storage due to the heat loss even under the excellent thermal insulation measures. In this work, a solar-powered ...

Eutectic Fatty Acids Phase Change Materials Improved with Expanded Graphite Zanshe Wang *, Guoqiang

Huang, Zhaoying Jia, Qi Gao, Yanping Li and Zhaolin Gu

Low- and ultra-low-grade thermal energy have significant recycling value for energy saving and carbon footprint reduction. Efficient thermal energy storage technology based on phase change ...

Gu, Zhaolin Wei, Wei GU Zhaolin is a Professor in Environmental Science and Technology, and the Executive Dean in School of Human Settlements and Civil Engineering, Xi´an Jiaotong ...

Solar energy storage is an indispensable and sustainable utilization mode of renewable energy; environment friendly, large-capacity, low heat loss, and long-term storage are critical to ...