Feng yungang energy storage

To tackle the ecological crisis with global warming, fossil fuel exhaustion and environmental pollution, "green revolution" was proposed as an integrative upgrading plan to address the sustainability issues related to foods, agriculture, energy and environment. In past decades, technological breakthroughs in rechargeable batteries have shed a light on mobile energy ...

storage-area relation of open water in ungauged subalpine wetland - Napahai in northwest Yunnan, China. Journal of Mountain Science, 10 (4): 553-563 . 14. Feng Yan, He Daming, Li Yungang. 2013. The key indicators of transboundary water apportionment based on international laws and cases. Journal of Geographical Sciences, 23(4): 710-720. 15.

Ranging from DC-AV inverters and filter to electromagnetic weapons, electrostatic capacitor made up by dielectrics are indispensable element in power electronical technology and electrical power systems for their ultra-high power densities [[1], [2], [3]].Nevertheless, the inferior energy density and efficiency of commercially available ...

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Under the operating pressure of 4.5-10 MPa, the daily air leakage in the compressed air storage energy cavern of Yungang Mine with high polymer butyl rubber as the sealing material is 0.62%, which can meet the sealing requirements of compressed air storage energy caverns. The air tightness of the polymer sealing cavern is mainly affected by ...

Battery is the core component of the electrochemical energy storage system for EVs [4]. The lithium ion battery, with high energy density and extended cycle life, is the most popular battery selection for EV [5]. The demand of the lithium ion battery is proportional to the production of the EV, as shown in Fig. 1.

In this study, we present an effective strategy to enhance energy-storage density by the Mn 2+ substitution of Ti 4+ into 0.7(Na 0.5 Bi 0.5)TiO 3-0.3SrTiO 3 (0.7NBT-0.3ST) relaxor ferroelectric thin films. The influence of Mn doping on the microstructures, ferroelectric properties, and energy-storage performances of the as-prepared films was investigated in detail.

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