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## European Solar Energy Storage

# Gongming communication energy storage capacitor

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## Advanced stability and energy storage capacity in

Herein, we implement a polar glass state strategy that catalyzes a profound enhancement in energy storage performance by modulating dynamic and thermodynamic processes.

## ?Nature Communications?????? ??????????? ...

2?27?,Nature???Nature Communications??2025??16??????"Enhanced energy storage performance of nano-submicron structural dielectric films by suppressed ferroelectric phase

## ??????????????????-??????????? ...

??????????????????Nature Communications??????"High-entropy engineered BaTiO?-based ceramic capacitors with greatly enhanced high-temperature energy storage performance"??????

## ?Nature Communications???????????? ...

2?27?,Nature???Nature

Communications??2025??16??????"Enhanced energy storage performance of nano-submicron structural dielectric films by suppressed ferroelectric phase

## WANG Gongming(???)

1. Photoelectrochemical water splitting and CO2 reduction 2. Chemically modified metal oxides for electrochemical catalysis 3. Design of highly integrated artificial photosynthetic system 4 .


## ?????????????Nature Communications?????

??????"??????????????????"(Global-optimized energy storage performance in multilayer ferroelectric ceramic capacitors)??,?????????????(Nature Communications) (IF=14.7)?????


## Global-optimized energy storage performance in multilayer

A large energy density of 20.0 J·cm-3 along with a high efficiency of 86.5%, and remarkable high-temperature stability, are achieved in lead-free multilayer ceramic capacitors.

## ??????????????????-????? ...

??????????????????Nature Communications??????"High-entropy engineered BaTiO?-based ceramic capacitors with greatly enhanced high-temperature energy storage ...


## ?????????????Nature Communications ...

??????"????????????????"(Global-optimized energy storage performance in multilayer ferroelectric ceramic capacitors)??,?????????????(Nature ...

## ???????????? p-p ?????????????,Energy Storage ...

Here we rationally construct B involved functional sites on the surface of porous carbon fibers for coupling hydroquinone (HQ) molecules with enhanced p-p interaction, which enables exceptional charge storage performance by regulating the interfacial charge tunneling behavior.

## ??????????????????-??? ...

????????????????????????????????Advanced Materials???"Atomic-Scale High-Entropy Design for Superior Capacitive Energy Storage Performance in Lead-Free Ceramics"??,???????? ...

## 5G communication RF capacitor,eectech capacitor

Communication RF capacitors use NP0 dielectric ceramic materials with high Q and low ESR. This series of capacitor products are suitable for long-term operation (-55? to +125?) in harsh environments.

### ??????????????????-???????? ...

??????????????????????????Advanced Materials???"Atomic-Scale High-Entropy Design for Superior Capacitive Energy Storage Performance in Lead-Free Ceramics"??,??????????????????

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