
Superconducting energy storage device SMES and its price

This paper reports the research status of UHF superconducting magnets in China from different perspectives, including design options, technical features, experimental ...

Superconducting thin films with high kinetic inductance are key to produce high-impedance circuits with low losses, a very relevant feature required in high-coherence ...

In this work we review the recent advances on superconducting phenomena in junctions formed by superconductors and unconventional magnets (UM). Conventional ...

Superconducting materials hold great potential in high field magnetic applications compared to traditional conductive materials. At present, practical superconducting materials include low ...

This marks the inaugural demonstration of a superconducting in-memory computing architecture through memristor coupling, offering a promising hardware platform for ...

Chapter 1 provides a general introduction and historical perspective on the phenomenon of superconductivity, and to the so-called low- T_c materials.

Superconducting flux memory devices fabricated with nanoscale junctions and high-inductance materials can maintain high-speed access performance while significantly ...

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