
Superconducting flywheel energy storage generator

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

4. Superconducting temperature and search for room-temperature superconductivity 4.1. Upper limit to T_c We now discuss the implications of the upper bound of ...

SUPPORTS OPEN ACCESS Superconductor Science and Technology is a truly multidisciplinary journal providing an essential forum for members of the superconductivity research community.

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

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

The degree to which the superconducting state is disrupted depends on the density of broken Cooper pairs, as this determines the reduction in the local superconducting ...

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 ...

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