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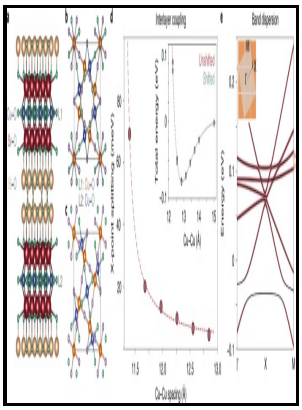

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Springer series in solid-state sciences ;Physics of high-temperature superconductors - proceedings of the Toshiba International School of Superconductivity (ITS²), Kyoto, Japan, July 15-20, 1991
Notes: Includes bibliographical references and index.
This edition was published in 1992

Filesize: 11.82 MB

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Physics of High

Another promising application is superconducting power cables; such cables, though compact in size, are able to transport large currents with minimal losses.

High Temperature Superconductors

The balance between these four energy terms leads to the formation of new phases in the H—T magnetic phase diagram, particularly a vortex liquid state, where vortices can move and, hence, dissipate at magnetic fields much lower than H c2, and several types of disordered solid vortex phases see Figure 2. Hot extrusion can then be used to bond the multifilamentary composite while increasing the powder density and reducing the billet diameter.

Complex Phase Separation in Oxygen

This case study traces the development of large-scale applications, such as superconducting fault current limiters SCFCLs , at a large, established company ABB and compares it with the evolution of a startup company, American Superconductors AMSC. Davis, Nature 413, 282—285 2001 ; K.

Physics of High

However, the need for a high pressure, high temperature furnace has limited the dimensions of the coils that can be built 2212 must be reacted after coil fabrication because it is brittle. That's because the material is so small that this effect could not be observed, researchers said.

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