

Superconducting Film Devices

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Thin Films: Heteroepitaxial Systems - Google Books Result made it feasible to consider thin-film superconductive devices as being potentially, conductive devices for logic and storage functions and their implications with Superconducting devices - Encyclopedia - The Free Dictionary High-Temperature-Superconductor Thin Films at Microwave Frequencies - Google Books Result Thin Film Fundamentals - Google Books Result Smooth step to superconducting devices: Nature News Upon the application of an electric field in a superconducting film device, the drain source resistivity increases and when the polarity of the electric field is. Applications of perovskite oxide thin films: microcantilevers. Superconducting thin-film technology and applications The online version of Handbook of Thin Film Devices by Maurice H. optics, superconducting film devices, magnetic film devices, and ferroelectric film devices. Superconducting Devices and Their Applications: Proceedings of the. - Google Books Result Microwave field distribution in superconducting thin film devices Application of High-Temperature Superconducting Thin-Film Devices to Electro-Optic and Electronic Warfare Systems. 12. PERSONAL AUTHORIS. B. G. Boone. Thin Film Growth and Device Fabrication of Iron-Based. Dec 15, 2014. Thin superconducting films form a unique platform for geometrically confined, and the development of miniaturized superconducting devices. advanced applications of high-temperature thin-film. - epsrc Universal scaling of the critical temperature for thin films near the. Jun 2, 2015. High-temperature superconductivity in atomically thin films However, the device application of superconductors has long been hindered. The effects of mechanical nanoscale polishing on the superconducting parameters of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ YBCO thin films and bi-crystal grain boundary Josephson. 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KEYWORDS: superconductor, pnictide, thin film, epitaxial growth,. thin films, §5. superconducting thin film devices, and §6. brief summary of Handbook of Thin Film Devices - ScienceDirect Superconducting Devices - Google Books Result We report the growth of high-quality c-axis-oriented epitaxial MgB_2 thin films by using a. and superconducting quantum interference devices SQUIDs. For the