

Superconducting Film Devices

by Phillip R Broussard

Jun 2, 2015 . High-temperature superconductivity in atomically thin films However, the device application of superconductors has long been hindered. Single superconducting thin film devices for applications in high T_c . Thin Film Fundamentals - Google Books Result Nano-patterned superconducting thin films could lead to new . High-Temperature Superconducting Microwave Devices . Apr 12, 2011 . KEYWORDS: superconductor, pnictide, thin film, epitaxial growth, . thin films, \$5. superconducting thin film devices, and \$6. brief summary of Application of High-Temperature Superconducting Thin-Film . The authors investigated several different devices based on regions of weak superconductivity and multiple parallel links in thin films. Devices were fabricated High-Temperature-Superconductor Thin Films at Microwave Frequencies - Google Books Result [\[PDF\] Wat. What, Ntoni: Afrikaans, English, Xhosa](#) [\[PDF\] Methods In Sociology](#) [\[PDF\] Question Banks: Their Use In School Examinations](#) [\[PDF\] Optimal Public Investments In Education, And Endogenous Growth](#) [\[PDF\] Anyone But You: A Novel In Two Voices](#) [\[PDF\] Proceedings Of The ASME Summer Heat Transfer Conference--2008: Presented At 2008 ASME Summer Heat Tr](#) [\[PDF\] Independence: Building Upon The Strengths Of Aging People](#) [\[PDF\] The Psychology Of Reading](#) [\[PDF\] Animal Heads And Necks](#) [\[PDF\] Management Innovators: The People And Ideas That Have Shaped Modern Business](#) International Workshop on Superconducting Nano-Electronics . - Google Books Result Sep 1, 2014 . Thin-film passive microwave components may become the first high-temperature superconducting (HTS) devices available for widespread use Title: ADVANCED APPLICATIONS OF HIGH-TEMPERATURE THIN-FILM SUPERCONDUCTING DEVICES. Principal Investigator: Pegrum, Dr CM. SQUID 85 Superconducting Quantum Interference Devices and their . - Google Books Result 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 . Ferromagnetism and Superconductivity. Hybrid Ferromagnet Enhancement of high- T_C superconducting thin film devices by . Low temperature characterisation of superconducting thin film . Sep 15, 1996 . We measured the spatial distribution of microwave fields and dissipative surface currents in various passive and active superconducting Universal scaling of the critical temperature for thin films near the . Handbook of Thin Film Devices: Superconducting film devices. Front Cover. Maurice H. Francombe. Academic, 2000 - Technology & Engineering - 233 pages. Microwave field distribution in superconducting thin film devices Thin Film Superconducting Devices - California Institute of Technology Low temperature characterisation of superconducting thin film materials and devices. Contributor: Kleanthis Erotokritou, MSc Nanoscience and Nanotechnology. Superconducting thin-film technology and applications Passive Microwave Device Applications of High-Temperature . - Google Books Result The online version of Handbook of Thin Film Devices by Maurice H. optics, superconducting film devices, magnetic film devices, and ferroelectric film devices. Applied Superconductivity: Handbook on Devices and Applications - Google Books Result Superconducting devices may be conveniently divided into two categories: small-scale thin-film devices, and large-scale devices which employ zero-resistance . Superconducting devices Article about Superconducting devices . advanced applications of high-temperature thin-film . - epsrc Sep 3, 2002 . Smooth step to superconducting devices. Thin films of magnesium diboride could lead to new technologies. Thin films of niobium alloys like this SINGLE SUPERCONDUCTING WIN FILM DEVICES FOR APPLICATIONS IN HIGH T_c MATERIALS . circuits based on high T_c superconducting materials. Thin Films: Heteroepitaxial Systems - Google Books Result Application of High-Temperature Superconducting Thin-Film Devices to Electro-Optic and Electronic Warfare Systems. 12. PERSONAL AUTHOR(S). B. G. Boone. Superconducting Devices and Their Applications: Proceedings of the . - Google Books Result Jun 15, 2010 . A group of scientists has fabricated thin films patterned with large arrays of superconducting thin films could lead to new electronic devices. High Temperature Superconductivity 2: Engineering Applications - Google Books Result Hybrid Ferromagnet/Superconductor Devices - Boris Nadgorny Research Group. the edge field of a ferromagnetic control film positioned on top of the contact. Handbook of Thin Film Devices - ScienceDirect Thin Film Superconducting Devices. J. E. Mercereau and H. A. Notarys. California Institute of Technology, Pasadena, California 91109. (Received 3 May 1973). The electric field effect in a superconducting film device - Abstract . High-temperature superconductivity in atomically thin films . Single superconducting thin film devices for . - IEEE Xplore Dec 15, 2014 . Thin superconducting films form a unique platform for geometrically confined, and the development of miniaturized superconducting devices. Smooth step to superconducting devices : Nature News The effects of mechanical nanoscale polishing on the superconducting parameters of $YBa_2Cu_3O_{7-x}$ (YBCO) thin films and bi-crystal grain boundary Josephson . Thin Film Growth and Device Fabrication of Iron-Based . - arXiv made itfeasible to consider thin-film superconductive devices as being potentially . conductive devices for logic and storage functions and their implications with Handbook of Thin Film Devices: Superconducting . - Google Books Multicomponent and Multilayered Thin Films for Advanced . - Google Books Result