1. Record Nr. UNINA9910146581303321 Titolo Materials & design [[e-journal]] Pubbl/distr/stampa [Reigate, Eng., : Scientific and Technical Press], c1982-Guilford, Surrey, : Butterworth Scientific Ltd Kidlington, Oxford, : Elsevier Ltd **ISSN** 1873-4197 Soggetti Materials Engineering design Periodicals. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Periodico Note generali Title from pdf image from article (ScienceDirect, viewed Mar. 14, 2007). Refereed/Peer-reviewed Sommario/riassunto "Mechanisms, machines and structures have to meet increasingly stringent requirements during operation. The economic and human costs of failure during service impose a great responsibility on those who develop materials and those who select and integrate materials in a final engineering design. A critical feature of successful development is the selection of the best material based on an awareness of the capabilities and opportunities afforded by all candidate materials, coupled with a design which takes full advantage of those capabilities."