1. Record Nr. UNINA9910454419003321 Autore Hayfield P. C. S Titolo Development of a new material [[electronic resource]]: Monolithic Ti4O7 Ebonex Ceramic / / P.C.S. Hayfield Cambridge, : Royal Society of Chemistry, 2002 Pubbl/distr/stampa **ISBN** 1-84755-069-X Descrizione fisica 1 online resource (110 p.) Disciplina 620.14 Soggetti Ceramic materials Ceramic materials - Electric properties Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto BK9780854049844-FX001; BK9780854049844-FP001; BK9780854049844-FP005; BK9780854049844-FP006; BK9780854049844-00001; BK9780854049844-00009; BK9780854049844-00049; BK9780854049844-00067; BK9780854049844-00077; BK9780854049844-00081; BK9780854049844-00085; BK9780854049844-00095; BK9780854049844-BP009 Sommario/riassunto This unique book describes the conception of a new material - an electrically conducting ceramic - and the practical work involved in its development and production. The solid-state physics and chemistry of the material are discussed in detail, along with the way in which properties are structure-dependent. The book goes on to review a wide range of practical applications for the new material, identifying factors which proved especially attractive or which prevented further developments. Including data never previously published, and an

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