Record Nr. UNISA996215319403316 Advances in photonic materials and devices [[electronic resource]]: **Titolo** proceedings of the 106th Annual Meeting of the American Ceramic Society: Indianapolis, Indiana, USA (2004) / / editor Suhas Bhandarkar Westerville, Ohio,: American Ceramic Society, c2005 Pubbl/distr/stampa **ISBN** 1-280-67462-8 9786613651556 1-118-40723-7 1-118-40727-X Edizione [1st ed.] Descrizione fisica 1 online resource (140 p.) Collana Ceramic transactions ; ; v. 163 Altri autori (Persone) **BhandarkarSuhas** Disciplina 621.36 Soggetti Photonics - Materials Electronics - Materials Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "... the symposium on Photonics Materials and Devices was organized Note generali at the 106th Annual Meeting of The American Ceramic Society, April 18-21, 2004 in Indianapolis, Indiana."--p. vii. Includes bibliographical references and indexes. Nota di bibliografia Nota di contenuto Advances in Photonic Materials and Devices: Contents: Preface: Novel Oxide Glass and Glass Ceramic Materials for Optical Amplifier; Gradient-Index (GRIN) Lenses and Other Optical Elements by Slurry-Based Three Dimensional Printing: Non-Silica Microstructured Optical Fibers: Enhancement of the Electroluminescent Phosphor Brightness and Stability; Femtosecond Laser Induced Structural Modification and Birefriengence in Bulk Glass for Optical Waveguide Applications; Tunable Microphotonic Devices in Ferroelectrics: Sol-Gel Processing of BaTiO3 for Electro-Optic Waveguide Devices Blue Light Excited Glasses for White Light IlluminationThe Development of an Arsenic Sulfide Glass Based Photoresist; Study of Resbond® Ceramic Binders Used for High Temperature Non-Contact Thermometry; Author Index; Keyword Index Sommario/riassunto Photonics is a critically important technology. It complements maturing micro-electronics to create new directions that impacts a wide-ranging array of other industries. From a materials standpoint, this technology

uses essentially all the classes of materials and seeks to hybridize them to create new devices. These proceedings showcase the transformation of photonics from a telecom-aligned technology to a much wider sphere of applications.