1. Record Nr. UNINA9910633970103321 Smart and Advanced Ceramic Materials and Applications / / edited by Titolo Mohsen Mhadhbi Pubbl/distr/stampa London:,:IntechOpen,,2022 **ISBN** 1-80355-865-2 Descrizione fisica 1 online resource (112 pages) Disciplina 620.14 Soggetti Ceramic materials Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto 1. Introductory Chapter: Smart and Advanced Ceramics and Applications -- 2. Synthesis and Characterization of NanoBismuth Ferrites Ceramics -- 3. Ballistic Composites, the Present and the Future -- 4. Structural, Magnetic, and Magnetodielectric Properties of Bi-Based Modified Ceramic Composites -- 5. Design and Development of Zirconia-Alumina Bioceramics Obtained at Low Temperature through Eco-Friendly Technology -- 6. Synthesis and Investigation of Ceramic Materials for Medium-Temperature Solid Oxide Fuel Cells. Sommario/riassunto This book describes advances in the development of smart and new ceramic materials for different applications. It also describes recent and expected challenges, along with their potential solutions, in advanced methods for the fabrication and characterization of nano-ceramics and their composites. This book provides readers with a comprehensive and updated review of the latest research in the field.