Record Nr. UNINA9910139466303321 Advances in sintering science and technology [[electronic resource]]: a **Titolo** collection of papers presented at the International Conference on Sintering, November 16-20, 2009 [i.e. 2008], La Jolla, California // edited by Rajendra K. Bordia, Eugene A. Olevsky Pubbl/distr/stampa [Westerville, Ohio], : American Ceramic Society Hoboken, N.J., : Wiley, c2009 **ISBN** 1-282-48187-8 9786612481871 0-470-59973-1 0-470-59970-7 Descrizione fisica 1 online resource (455 p.) Collana Ceramic transactions, , 1042-1122;; v. 209 Altri autori (Persone) BordiaRajendra K OlevskyEugene A Disciplina 666 671.373 Soggetti Sintering Sinter (Metallurgy) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Advances in Sintering Science and Technology; Contents; Preface; Acknowledgements; APPLICATION OF SINTERING IN EMERGING ENERGY APPLICATIONS: FUEL CELLS, SOLAR CELLS, HYDROGEN STORAGE; Sintering Behavior of Ce0.9Gd0.1O1.95- in Reducing Atmosphere: Hydrogen Sorption Properties of Ti-Oxide/Chloride Catalyzed Na2LiAlH6; High Density Green Pellets of ZrN Fabricated by Particle Processing; EVOLUTION AND CONTROL OF MICROSTRUCTURE DURING SINTERING PROCESSES; The Effect of Carbon Source on the Microstructure and the Mechanical Properties of Reaction Bonded Boron Carbide Modification of Mass Transport during Sintering Induced by Thermal GradientFUNDAMENTAL ASPECTS OF SINTERING; Effects of

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## Sommario/riassunto

This volume is part of the Ceramic Engineering and Science Proceeding (CESP) series. This series contains a collection of papers dealing with issues in both traditional ceramics (i.e., glass, whitewares, refractories, and porcelain enamel) and advanced ceramics. Topics covered in the area of advanced ceramic include bioceramics, nanomaterials, composites, solid oxide fuel cells, mechanical properties and structural design, advanced ceramic coatings, ceramic armor, porous ceramics, and more.