

1. Record Nr.	UNINA9910830578503321
Titolo	Silicon-based structural ceramics for the new millennium [[electronic resource]] : proceedings of the Silicon-Based Structural Ceramics for the New Millennium Symposium, held at the 104th Annual Meeting of the American Ceramic Society, April 28-May 1, 2002, in St. Louis, Missouri / / edited by Manuel E. Brito, Hua-Tay Lin, Kevin Plucknett
Pubbl/distr/stampa	Westerville, Ohio, : American Ceramic Society, c2003
ISBN	1-280-67424-5 9786613651174 1-118-40597-8 1-118-40598-6
Descrizione fisica	1 online resource (288 p.)
Collana	Ceramic transactions, , 1042-1122 ; ; v. 142
Altri autori (Persone)	BrutoManuel E LinHua-Tay PlucknettKevin
Disciplina	620.1/4 620.14
Soggetti	Ceramic materials Ceramic-matrix composites Silicon nitride Silicon carbide
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	Silicon-Based Structural Ceramics for the New Millennium; Contents; Preface; Novel Synthesis and Processing; Colloidal Processing of Silicon Nitride; Viscoelastic Properties of Concentrated Silicon Nitride Slurries; Si ₃ N ₄ Powders Applied for Water-Based DCT; Synthesis of Si ₂ N ₂ O Ceramics from Desert Sand; Fabrication and Evaluation of Porous Ca-SiAlON Ceramics; Microstructures: Development and Characterization; High Resolution Imaging and Microanalysis of Silicon-Based Ceramics; Grain-Boundary Relaxation Process in Silicon-Based Ceramics Studied by Mechanical Spectroscopy High Temperature Stiffness and Damping to Qualitatively Assess the Amorphous Intergranular Phase in Sintered Silicon Nitride and

CarbideHigh-Temperature Deformation of Silicon Nitride and its Composites; Improved Properties; SiAlON Ceramics: Processing, Microstructure and Properties; Fracture Behavior of Porous Si₃N₄ Ceramics with Random and Aligned Microstructure; Liquid Phase Sintering of SiC with AlN and Rare-Earth Oxide Additives; Effect of Additives on Microstructural Development and Mechanical Properties of Liquid-Phase-Sintered Silicon Carbide during Annealing Corrosion of Silicon Nitride Materials in Acidic and Basic Solutions and under Hydrothermal conditionsApplications; Development of High-Temperature Heat Exchangers Using SiC Microchannels; Characterization of Ceramic Components Exposed in Industrial Gas Turbines; Gelcasting SiAlON Radomes; Effect of Long-Term Oil Immersion Test on Mechanical Reliability of Candidate Silicon Nitride Ceramics for Diesel Engine Applications; Index

Sommario/riassunto

This volume focuses on recent scientific and technological developments in silicon-based (i.e., silicon nitride, SiAlONs, silicon carbide, silicon oxynitride) structural ceramics. Authors from academia and industry assess the current state of the art in silicon-based structural ceramics. Industrial case studies are advocated to highlight the development and application of these materials in real engineering environments.

2. Record Nr.	UNISALENTO991004373231207536
Autore	Mazzocchi, Juliana
Titolo	Come tradurre in inglese il sito web della biblioteca / Juliana Mazzocchi
Pubbl/distr/stampa	Milano : Bibliografica, 2015
ISBN	9788870758658
Descrizione fisica	63 p. ; 15 cm
Collana	Library toolbox ; 11
Disciplina	428.0024092
Soggetti	Lingua inglese - Manuali [per] bibliotecari
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia