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Autore	BLOOM, Mark V.
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Altri autori (Persone)	SinghDilip SalemJonathan
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Nota di contenuto	Cover; Title Page; Copyright Page; Contents; Preface; Introduction; CHARACTERIZATION AND MODELING OF CERAMIC MATRIX COMPOSITES; Acoustic Emission and Electrical Resistivity Monitoring of SiC/SiC Composite Cyclic Behavior; Characterization of SiC/SiCN Ceramic Matrix Composites with Monazite Fiber Coating; Fiber, Porosity and Weave Effects on Properties of Ceramic Matrix Composites; Weave and Fiber Volume Effects on Durability of Ceramic Matrix Composites; Cooling Performance Tests of a CMC Nozzle with Annular Sector Cascade Rig; Study on Strength Prediction Model for Unidirectional Composites PROCESSING AND PROPERTIES OF FIBERS AND CERAMICSThe Effect of

the Addition of Ceria Stabilized Zirconia on the Creep of Mullite;
Microstructural Evolution of CVD Amorphous B-C Ceramics Heat
Treated: Experimental Characterization and Atomistic Simulation;
Densification of SiC with AlN-Nd₂O₃ Sintering Additives; Solid-Solution
of Nitrogen-Containing Rare Earth Aluminates R₂AlO₃N (R=Nd and
Sm); Microstructure and Properties of Reaction Bonded Metal Modified
Ceramics; Investigation into the Effect of Common Ceramic Core
Additives on the Crystallisation and Sintering of Amorphous Silica
Different Fibers Exposed to Temperatures Up to 1000°C Heat Diffusivity
Measurements on Ceramic Foams and Fibers with a Laser Spot and an
IR Camera; Towards a Multiscale Model of Thermally-Induced
Microcracking in Porous Ceramics; Investigation on Reliability of High
Alumina Refractories; Evaluation of Subcritical Crack Growth in Low
Temperature Co-Fired Ceramics; Multilayer Ceramic Composite Armor
Design and Impact Tests; Compression Failure Analysis of Graphite
Foam Core Based Sandwich Composite Constructions; Tribological
Profile of Binderless Niobium Carbide
Tribological Properties of Alumina/Zirconia Composites with and
without h-BN Phases Author Index

Sommario/riassunto

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