1. Record Nr. UNISA990001345650203316

Autore	CHEN, Wai-Fah
Titolo	Analysis and software of cylindrical members / Wai-Fah Chen, Shouji Toma
Pubbl/distr/stampa	Boca Raton [etc.] : CRC Press, copyr. 1996
ISBN	0-8493-8282-3
Descrizione fisica	X, 309 p. : ill. ; 24 cm + 1 floppy-disk. - errata corrige
Collana	New directions in civil engineering
Altri autori (Persone)	TOMA, Shouji
Disciplina	621.4
Soggetti	Cilindri <motori> - Modelli matematici - Elaborazione dei dati
Collocazione	621.4 CHE (A)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9911019713503321

Titolo	Advances in ceramic armor VIII : a collection of papers presented at the 36th International Conference on Advanced Ceramics and Composites, January 22-27, 2012, Daytona Beach, Florida / / edited by Jeffrey J. Swab ; volume editors, Michael Halbig, Sanjay Mathur
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2013
ISBN	9781118217498 1118217497 9781283869614 1283869616 9781118530146 1118530144
Descrizione fisica	1 online resource (248 p.)
Collana	Ceramic engineering and science proceedings, , 0196-6219 ; ; v. 33, issue 5 (2012)
Altri autori (Persone)	SwabJeffrey J HalbigMichael MathurSanjay
Disciplina	666
Soggetti	Ceramic materials Composite materials Armor Armor - Materials Armor-plate - Materials
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	Advances in Ceramic Armor VIII; Contents; Preface; Introduction; MODELING AND DYNAMIC BEHAVIOR; Mesoscale Modeling of the Dynamic Response of Armor Ceramics; Constitutive Characterization and Simulations of Penetration into Thick Glass Targets; On the Source of Inelasticity in Ceramics; Novel Equations of State for Hydrocode; Numerical Study of the Effect of Small Size Flaws on the Ballistic Behavior of Transparent Laminated Targets; High Strain Rate Split Hopkinson Pressure Bar Testing of Alumina; TRANSPARENT MATERIALS;

Low Velocity Sphere Impact of Soda Lime Silicate Glass
Preparation and Sintering of Al2O3 - Doped Magnesium Aluminate SpinelPolished Spinel Directly from the Hot Press; In Depth Study of Cone Cracks in Multi-Layered Transparent Panel Structures by X-Ray Computed Tomography; Nondestructive Characterization of Low Velocity Impact Damage in Transparent Laminate Systems; XCT Diagnostics of Ballistic Impact Damage in Transparent Armor Targets; OPAQUE MATERIALS; Opportunities in Protection Materials Science and Technology for Future Army Applications; Surface Preparation of Alumina for Improved Adhesive Bond Strength in Armor Applications Discrimination of Basic Influences on the Ballistic Strength of Opaque and Transparent CeramicsQuantifying the Homogeneity of Ceramic Microstructures through Information Entropy; Effect of Boron Carbide Additive Size and Morphology on Spark Plasma Sintered Silicon Carbide; Submicron Boron Carbide Synthesis Through Rapid Carbothermal Reduction; Improved Modeling and Simulation of the Ballistic Impact of Tungsten-Based Penetrators on Confined Hot-Pressed Boron Carbide Targets; Development of Reaction Bonded B4C-Diamond Composites; Author Index

Sommario/riassunto

The manuscripts contained in this issue of Ceramic Engineering and Science Proceedings were selected from among the more than seventy presentations at the Armor Ceramics Symposium. The discussions are divided into three sections: Modeling and dynamic behavior, Transparent materials, and Opaque materials. Conducted during the 36th annual International Conference on Advanced Ceramics and Composites (ICACC), this event is one of the premier global conferences for the latest developments in the fabrication, characterization, and application of ceramic materials to meet the needs of t