1. Record Nr. UNINA9910144846003321

Titolo	Advances in ceramic armor II [[electronic resource]] : a collection of papers presented at the 30th International Conference on Advanced Ceramics and Composites, January 22-27, 2006, Cocoa Beach, Florida / / editor, Lisa Prokurat Franks; general editors, Andrew Wereszczak, Edgar Lara-Curzio
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, c2007
ISBN	1-282-31412-2 9786612314124 0-470-29136-2 0-470-29178-8
Descrizione fisica	1 online resource (276 p.)
Collana	Ceramic engineering and science proceedings, , 0196-6219 ; ; v. 27/7
Altri autori (Persone)	Prokurat FranksLisa WereszczakAndrew Lara-CurzioEdgar <1963->
Disciplina	620.14 623.7/4
Soggetti	Armor Ceramic materials Composite materials Electronic books.
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 II; Contents; Preface; Introduction; A Review of Computational Ceramic Armor Modeling; Biomorphic SiSiC-Materials for Lightweight Armour; Evaluation of Sic Armor Tile Using Ultrasonic Techniques; Spherical Indentation of Sic1; Damage Modes Correlated to the Dynamic Response of SIC-N; Grain Boundary Chemistry of Sic-Based Armor; Effect of Microstructure and Mechanical Properties on the Ballistic Performance of Sic-Based Ceramics; Addition of Excess Carbon to Sic to Study its Effect on Silicon Carbide (SIC) Armor Analysis of Time-Resolved Penetration of Long Rods into Glass Targets-IIResponse and Characterization of Confined Borosilicate Glass:

Intact and Damaged; Constitutive Model for Damaged Borosilicate Glass; Reaction Sintered LiAlON; Large Area EFGTM Sapphire for Transparent Armor; Relationship of Microstructure and Hardness for Al2O3 Armor Materials; Root Causes of the Performance of Boron Carbide Under Stress; Analysis of Texture in Controlled Shear Processed Boron Carbide; Progress in the Nondestructive Analysis of Impact Damage in TiB2 Armor Ceramics
Elastic Property Determination of WC Spheres and Estimation of Compressive Loads and Impact Velocities That Initiate Their Yielding and CrackingOn the Role of Impact Damage in Armor Ceramic Performance; The Indentation Size Effect (ISE) for Knoop Hardness in Five Ceramic Materials; Influence of Microstructure on the Indentation-Induced Damage in Silicon Carbide; Author Index

Sommario/riassunto

These proceedings contain current research from industry, academia and government organizations, working on opaque and transparent ceramic armor. Papers on novel materials concepts for both vehicle and body armors are included, as well as papers that explore the relationship between computational modeling and property testing. These papers were presented at the Proceedings of the 30th International Conference on Advanced Ceramics and Composites, January 22-27, 2006, Cocoa Beach, Florida. Organized and sponsored by The American Ceramic Society and The American Ceramic Society's Engineeri

2. Record Nr. UNISA996279436003316

Titolo	IEEE Std 43-2013 (Revision of IEEE Std 43-2000) : IEEE Recommended Practice for Testing Insulation Resistance of Electric Machinery - Redline / / Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	New York : , : IEEE, , 2014
ISBN	0-7381-8937-5
Descrizione fisica	1 online resource (ix, 26 pages)
Disciplina	621.310420288
Soggetti	Electric machinery - Maintenance and repair
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The dc voltage tests procedures for the measurement of the insulation resistance and polarization index of insulated stator, and rotor windings and how to interpret the results are described in this recommended practice.