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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;
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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
