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Altri autori (Persone)	Lara-CurzioEdgar <1963-> ReadeyMichael J
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Nota di contenuto	28th International Lonterence on Advanced Ceramics and Composites: A; Contents; Preface; 28th International Lonterence on Advanced Ceramics and Composites: A; Ceramics and Components in Energy Conversion Systems; Ceramic Components in Gas Turbine Engines: Why Has It Taken So long?; Development of the 8000 KW Class Hybrid Gas Turbine; Development and Evaluation of CMC Vane for NGSST Engine; Ceramic Combustor Design for ST5+ Microturbine Engine; CMC Combustor liner Design for a Model RAM Jet Engine; Burner Rig Test of Silicon Nitride Gas Turbine Nozzle Materials for Advanced Battery and Energy Storage Systems (Batteries, Capacitors, Fuel Cells)Effect of Ni-Al Precursor Type on Fabrication and

Properties of TiC-Ni<sub>3</sub>Al Composites; MMCs by Activated Melt Infiltration  
 High Melting Alloys and Oxide Ceramics; Multifunctional Metal-Ceramic  
 Composites by Solid Free Forming (SFF); Solid Freeform Fabrication of a  
 Piezoelectric Ceramic Torsional Actuator Motor; Centrifugal Sintering;  
 Alumina-Based Functionally Gradient Materials by Centrifugal Molding  
 Technology  
 Investigation of a Novel Air Brazing Composition for High Temperature,  
 Oxidation-Resistant Ceramic Joining  
 Joining of Advanced Structural  
 Materials by Plastic Deformation; Mechanical Performance of Advanced  
 Ceramic Parts Joined by Plastic Flow; Physical Characterization of  
 Transparent PUT Ceramics Prepared by Electrophoretic Deposition;  
 Fabrication of Microstructured Ceramics by Electrophoretic Deposition  
 of Optimized Suspensions; low Cost Process for Mullite Utilizing  
 Industrial Wastes as Starting Raw Material; Low-Cost Processing of Fine  
 Grained Transparent Yttrium Aluminum Garnet  
 Gas-Pressure Sintering of Silicon Nitride with Lutetia Additive  
 Use of  
 Combustion Synthesis in Preparing Ceramic Matrix and Metal-Matrix  
 Composite Powders; Mechanical Reliability of Si<sub>3</sub>N<sub>4</sub>; Correlation of  
 Finite Element with Experimental Results of the Small-Scale Vibration  
 Response of a Damaged Ceramic Beam; Macro-Micro Stress Analysis of  
 Porous Ceramics by Homogenization Method; X-Ray and Neutron  
 Diffraction Studies on a Functionally-Graded Ti<sub>3</sub>SiC<sub>2</sub>-TiC System;  
 Modeling of Transient Thermal Damage in Ceramics for Cannon Bore  
 Applications; Strengthening of Ceramics by Shot Peening  
 Solid Oxide Fuel Cells  
 DOE FE Distributed Generation Program;  
 lanthanum Gallate Electrolyte for Intermediate Temperature; Solid  
 Oxide Fuel Cell Development at Forschungszentrum Juelich;  
 Development of MOLB Type SOFC; Development of Advanced Co-Fired  
 Planar Solid Oxide Fuel Cells with High Strength; Electrophoresis: An  
 Appropriate Manufacturing Technique for Intermediate Temperature  
 Solid Oxide Fuel Cells; Microstructure-Performance Relationships in  
 LSM-YSZ Cathodes; Role of Cathode in Single Chamber SOFC;  
 Morphology Control of SOFC Electrodes by Mechano-Chemical Bonding  
 Technique  
 Improved SOFC Cathodes and Cathode Contact Layers

## Sommario/riassunto

A collection of Papers Presented at the 28th International Conference  
 and Exposition on Advanced Ceramics and Composites held in  
 conjunction with the 8th International Symposium on Ceramics in  
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