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Autore	Mittner, Ladislao <1902-1975>
Titolo	La lingua tedesca e lo spirito dell'antica poesia germanica / Ladislao Mittner
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Nota di contenuto	Advances in Solid Oxide Fuel Cells X; Contents; Preface; Introduction; SOFC AS THE CENTRAL CONTROL AND ESSENTIAL SUPPLY OF A PLANT FACTORY AKA VERTICAL FARMING; ABSTRACT; INTRODUCTION; GREEN HOUSE AND PLANT FACTORY; PHOTOSYNTHESIS; LIGHT; CARBON DIOXIDE; TEMPERATURE; WATER; SOFC - SOLID OXIDE FUEL CELL; PLANT FACTORY UNDER CONTROL; LIGHT; CARBON DIOXIDE; TEMPERATURE; WATER; CONCLUSION; ACKNOWLEDGEMENT; REFERENCES; HIGH-TEMPERATURE DIRECT FUEL CELL MATERIAL EXPERIENCE; ABSTRACT; INTRODUCTION AND PRODUCT STATUS; ANODE; CATHODE; ELECTROLYTE MATRIX; CELL HARDWARE; Dual-Atmosphere Application Phase TransformationSeal Material; STACK, MODULE AND BOP ALLOYS; DFC MANUFACTURING; CONCLUSION; ACKNOWLEDGEMENT; REFERENCES; RECOVERABLE PERFORMANCE OF PLASMA-SPRAYED

METAL-SUPPORTED SOLID OXIDE FUEL CELL; ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSION; CONCLUSION; ACKNOWLEDGMENT; REFERENCES; INVESTIGATION OF CARBON DEPOSITION BEHAVIOR ON FERRITIC ALLOYS IN LOW S/C RATIO USING DIRECT HEATING METHOD; ABSTRACT; INTRODUCTION; EXPERIMENTAL; Sample preparation; Direct heating in a low S/C environment without pre-oxidation; Direct heating in a low S/C environment with pre-oxidation  
Sample analysisRESULTS AND DISCUSSION; Cr<sub>2</sub>O<sub>3</sub>-forming alloy; Al<sub>2</sub>O<sub>3</sub>-forming alloy; CONCLUSION; REFERENCES; INTERACTION OF PEROVSKITE TYPE LANTHANUM-CALCIUM-CHROMITES-TITANATES La<sub>1-x</sub>CaxCr<sub>1-y</sub>TiyO<sub>3</sub>- WITH SOLID ELECTROLYTE MATERIALS; ABSTRACT; INTRODUCTION; EXPERIMENTAL; Materials; Sample preparation;; Thermodynamic calculations and reference samples;; Electrical characterization;; RESULTS AND DISCUSSION; Synthesis and phase stability; Electrical characterization of stoichiometric DCTs; Reactions in binary 8YSZ/Perovskite and ternary 8YSZ/Ni/Perovskite phase mixtures; Thermodynamic calculations  
CONCLUSIONSACKNOWLEDGEMENT; REFERENCES; SYNTHESIS OF SmBa<sub>0.5</sub>Sr<sub>0.5</sub>Co<sub>2</sub>O<sub>5+</sub> POWDER AND ITS APPLICATION AS COMPOSITE CATHODE FOR INTERMEDIATE TEMPERATURE SOLID OXIDE FUEL CELL; ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSION; CONCLUSION; ACKNOWLEDGEMENT; REFERENCES; CHARACTERIZATION AND PERFORMANCE OF A HIGH-TEMPERATURE GLASS SEALANT FOR SOLID OXIDE FUEL CELL; ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSION; CTE and Characteristic Temperatures; Isothermal and Non-isothermal Crystallization Behaviors; Interfacial Compatibility and Chemical Stability  
High-temperature Leakage RateCONCLUSION; ACKNOWLEDGMENT; REFERENCES; ADJUSTMENT OF PROCESS PARAMETERS FOR ATTAINING A DENSE GADOLINIUM-DOPED CERIA LAYER FOR THE PRODUCTION OF MICROTUBULAR SOFC CELLS; ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSION; Powder A, GDC suspension with originally broad PSD; Powder B, GDC suspension with originally narrow PSD; CONCLUSION; ACKNOWLEDGMENTS; REFERENCES; STABILITY TESTING BEYOND 1000 HOURS OF SOLID OXIDE CELLS UNDER STEAM ELECTROLYSIS OPERATION; ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSION  
Long-term evolution of the cell voltage

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#### Sommario/riassunto

This issue contains 13 papers from The American Ceramic Society's 38th International Conference on Advanced Ceramics and Composites, held in Daytona Beach, Florida, January 26-31, 2014 presented in Symposium 3 - 12th International Symposium on Solid Oxide Fuel Cells: Materials, Science, and Technology.

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