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Titolo	Ceramic materials and components for energy and environmental applications [[electronic resource]] : a collection of papers presented at the 9th International Symposium on Ceramic Materials for Energy and Environmental Applications and the Fourth Laser Ceramics Symposium, November 10-14, 2008, Shanghai, China / / edited by Dongliang Jiang ... [et al.]
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Altri autori (Persone)	JiangDongliang
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Nota di contenuto	Ceramic Materials and Components for Energy and Environmental Applications; Contents; Preface; Acknowledgements; I. Basic Science, Design, Modeling and Simulation; FRACTURE STATISTICS OF SMALL SPECIMENS; STRUCTURE AND PROPERTY OF Ti-Al-C/TiB2 COMPOSITE CERAMICS; THE EFFECT OF DOPED SlNTERlNG AIDS FOR Nd(Mg0.5Ti0.5) O3 MICROWAVE DIELECTRIC CERAMICS PROPERTIES; MICROWAVE DIELECTRIC PROPERTIES OF (1 -x)(Mg0.6Zn0.4)0.95Co0.05TiO3 CERAMIC SYSTEM; OXYNITRIDE GLASSES: EFFECTS OF COMPOSITION ON GLASS FORMATION AND PROPERTIES WITH IMPLICATIONS FOR HIGH TEMPERATURE BEHAVIOUR OF SILICON NITRIDE CERAMICS THE HYDROLYSIS OF ALUMINIUM NITRIDE: A PROBLEM OR AN ADVANTAGEPREPARATION AND COMPARISION OF TWO TYPICAL CVD FILMS FROM CH4 AND C3H6 AS CARBON RESOURCES; KINETIC INVESTIGATION ON THE DEPOSITION OF SiC FROM

METHYLTRICHLOROSILANE AND HYDROGEN; II. Nanomaterials and Nanotechnologies; SYNTHESIS OF HEMATITE-ZIRCON-SILICA NANO COMPOSITE AS A NON TOXIC CERAMIC PIGMENT BY SOL-GEL METHOD; FORMATION OF NANOCRYSTALLINE -ALUMINAS IN DIFFERENT MORPHOLOGY FROM GEL POWDER AND BOEHMITE POWDER: A COMPARATIVE STUDY; SYNTHESIS AND IN VITRO RELEASE OF GENTAMICIN FROM CaMCM-41/PLLA COMPOSITE MICROSPHERES HIGHLY ORDERED CUBIC MESOPOROUS COBALT OXIDE BY AN ACCURATELY CONTROLLED INCIPIENT WETNESS TECHNIQUEPREPARATION OF Fe3O4 NANOPARTICLES BY TWO DIFFERENT METHODS; NANO-ZIRCONIA/MULLITE COMPOSITE CERAMICS PREPARED BY IN-SITU CONTROLLED CRYSTALLIZATION FROM THE Si-Al-Zr-O AMORPHOUS BULK; PREPARATION AND CHARACTERIZATION OF Er:Gd2O3 POWDERS; III. Ceramics in Energy Conversion Systems; CMC MATERIALS AND BIOMORPHIC SiSiC FOR ENERGY APPLICATIONS; CRYSTALLIZATION, MICROSTRUCTURE AND PHYSICAL PROPERTY OF NEW TYPES OF BOROSILICATE GLASS-CERAMICS A STUDY OF Al2O3 AND YSZ CERAMIC SUPPORTS FOR PALLADIUM MEMBRANESYNTHESIS OF OLIVINE (LiFePO4) and Ni/OLIVINE (LiFePO4) CATALYSTS FOR UPGRADING SYN-GAS PRODUCTION; FABRICATION AND CHARACTERIZATION OF CERMET MEMBRANE FOR HYDROGEN SEPARATION; POROUS CERAMICS FOR HOT GAS CLEANING; DEGRADATION MECHANISMS OF SiC-BASED FILTERS CAUSED BY LONG TERM WATER VAPOUR EXPOSURE; IV. Solid Oxide Fuel Cells (SOFCs): Materials and Technologies; DEVELOPMENT OF NANO-STRUCTURED YSZ ELECTROLYTE LAYERS FOR SOFC APPLICATIONS VIA SOL-GEL ROUTE
DEVELOPMENT OF SINGLE-CHAMBER SOLID OXIDE FUEL CELLS: PERFORMANCE OPTIMIZATION AND MICRO-STACK DESIGNSDEVELOPMENT OF BUNDLE/STACK FABRICATION TECHONOLOGY FOR MICRO SOFCS; AN OVERVIEW OF SCANDIA STABILIZED ZIRCONIA ELECTROLYTE DEVELOPMENT FOR SOFC APPLICATION; FABRICATION OF Ni-GDC ANODE SUBSTRATE BY TAPE CASTING PROCESS; V. Ceramics in Environmental Applications; INFLUENCE OF LAITICE STRAIN ON THE Ce0.5Zr0.5O2 AND Al2O3 DOPED Ce0.5Zr0.5O2 CATALYTIC POWDERS; MICROSTRUCTURE AND PROPERTIES OF CORDIERITE-BONDED POROUS SiC CERAMICS PREPARED BY IN SITU REACTION BONDING
FABRICATION OF LIGHTWEIGHT CLAY BRICKS FROM RECYCLED GLASS WASTES

Sommario/riassunto

This volume of the Ceramic Transactions series compiles a number of papers presented at the 9th International Conference on Ceramic Materials and Components for Energy and Environmental Applications (9th CMCEE) in Shanghai, China and was the continuation of a series of international conferences held all over the world over the last three decades. This volume contains selected peer reviewed papers from more than 300 presentations from all over the world. The papers in this volume also highlight and emphasize the importance of synergy between advanced materials and componen

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Autore	Latan Hengky
Titolo	Partial Least Squares Path Modeling : Basic Concepts, Methodological Issues and Applications / / edited by Hengky Latan, Joseph F. Hair, Jr., Richard Noonan
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Nota di contenuto	Introduction to the Partial Least Squares Path Modeling: Basic Concepts and Recent Methodological Enhancements -- Quantile Composite-Based Path Modeling with R: A Hands-On Guide -- Use of Partial Least Squares Path Modeling within and across Business Disciplines -- Statistical and Psychometric Properties of Three Weighting Schemes of the PLS-SEM Methodology -- Software Packages for Partial Least Squares Structural Equation Modeling: An Updated Review -- Revisiting and Extending PLS for Ordinal Measurement and Prediction -- Multicollinearity: An Overview and Introduction of Ridge PLS-SEM

Estimation -- Demystifying Prediction in Mediation Research and the Use of Specific Indirect Effects and Indirect Effect Sizes -- Alternative Approaches to Higher-Order PLS-Path Modeling: A Discussion on Methodological Issues and Applications -- How to Apply Necessary Condition Analysis in PLS-SEM -- New Insights for Public Diplomacy Using PLS-SEM to Analyze the Polyphony of Voices: Value Drivers of the Country Image in Western European and BRICS countries -- To Survive or Not to Survive: Findings from PLS-SEM on the Relationship between Organizational Resources and Startups Survival -- Influence of Earnings Quality Dimensions on the Perception of Earnings Quality: An Empirical Application of Composite PLS using Archival Data -- Importance Performance Map Analysis of Capital Structure Using PLS-SEM: Evidence from Non-Financial Sector.

Sommario/riassunto

Now in its second edition, this edited book presents recent progress and techniques in partial least squares path modeling (PLS-PM), and provides a comprehensive overview of the current state-of-the-art in PLS-PM research. Like the previous edition, the book is divided into three parts: the first part emphasizes the basic concepts and extensions of the PLS-PM method; the second part discusses the methodological issues that have been the focus of recent developments, and the last part deals with real-world applications of the PLS-PM method in various disciplines. This new edition broadens the scope of the first edition and consists of entirely new original contributions, again written by expert authors in the field, on a wide range of topics, including: how to perform quantile composite path modeling with R; the rationale and justification for using PLS-PM in top-tier journals; psychometric properties of three weighting schemes and why PLS-PM is a better fit to mode B; a comprehensive review of PLS software; how to perform out-of-sample predictions with ordinal consistent partial least squares; multicollinearity issues in PLS-PM using ridge regression; theorizing and testing specific indirect effects in PLS and considering their effect size; how to run hierarchical models and available approaches; and how to apply necessary condition analysis (NCA) in PLS-PM. This book will appeal to researchers interested in the latest advances in PLS-PM as well as masters and Ph. D. students in a variety of disciplines who use PLS-PM methods. With clear guidelines on selecting and using PLS-PM, especially those related to composite models, readers will be brought up to date on recent debates in the field.