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Altri autori (Persone)	HosakaSumio
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Nota di contenuto	Advanced Micro-Device Engineering III; Preface and Organizing Committees; Table of Contents; Chapter 1: Material Science; X-Ray Magnetic Diffraction Experiment of Fe <sub>3</sub> Pt Alloy in Order Phase; Effects of Interface Roughness and Lattice Strain on Perpendicular Magnetic Anisotropy in Co/Pd Multilayer; Calculation of Autocorrelation Functions Using the Dv-X Method for 14 Electron Diatomic Molecules; One-Dimensional Long Range Order of Autocorrelation Functions for Polyethylene Type Clusters Using the DV-X Method; Synthesis of MnZn-Ferrite Using Coprecipitation Method Synthesis of MnZn-Ferrite Using Sintering Aids Electrical Conductivity of Li <sub>2</sub> xZn <sub>2-3</sub> Ti <sub>1+x</sub> O <sub>4</sub> Crystal; Electrical Properties of DC-Sputtered Amorphous InGaZnO <sub>4</sub> Films; Structural Properties of SrTiO <sub>3</sub> Transparent Thin Films Formed by RF Magnetron Sputtering with Changing Substrate Temperatures; Study of the Chemical Adsorption Property of Allylsilylazobenzene in the Surface Modification of Nanoporous Alumina Membrane; Chapter 2: Chemical Science and Technology Preparation of Crystalline Turbostratic Boron Nitride Nanoparticles by Combination of Precursor Compound Formation and Impurity Segregation from Boric Acid and Urea Effect of Molecular Structure of

Polyols with Different Molecular Characteristics on Synthesis of Boron Carbide Powder; Effective Synthesis and Isomerization of Cyclotetrasiloxanetetraol; Effect of Blending Asymmetry for Poly(L-Lactic Acid)/Poly(D-Lactic Acid) on Structural Change during Heating Effect of Metal Modification to Carbon Paper Anodes on the Performance of Yeast-Based Microbial Fuel Cells Part : In the Case without Exogenous Mediator Effect of Metal Modification to Carbon Paper Anodes on the Performance of Yeast-Based Microbial Fuel Cells Part : In the Case with Exogenous Mediator, Methylene Blue; Development of Particle Packed Bed Type Chromatography Using Dielectrophoresis; Analysis of Electrical Property of the Animal Cell Using Dielectrophoresis Levitation; Magnetic Separation of Organic Dyes in Wastewater Using Superconducting Bulk Magnets Improved Observation Contrast of Block-Copolymer Nanodot Pattern Using Carbon Hard Mask (CHM)

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Sommario/riassunto

The aim of this volume is to accelerate the exchange of information on the best practices for CAD, CAM, Manufacturing, Mechanical Engineering, Modeling and Simulation, etc. Engineers and scientists in academia, industry and government here address the most innovative research and development work, including technical challenges and social and economic issues, and discuss their ideas, results, work-in-progress and experience concerning all aspects of Computer-Aided Design, Manufacturing, Modeling and Simulation. Review from Book News Inc.: The result of a conference that took place in December

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