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Based upon Molecular Dynamics Simulation in NEMS; Probing the Activation Migration Enthalpies of Dislocations in 2024 Aircraft Material Using Nuclear and Electrical Techniques; A Numerical Simulation Approach to Convection, Buoyancy Effect, Microfiltration and Flow Analysis as an Influential Lead for Designing and Dimensioning in MEMS

Prediction of Transient Temperature Distribution, HAZ Width and Microstructural Analysis of Submerged Arc-Welded Structural Steel Plates Evaluation of the Effect of Catalyst Pore-Size Distribution on the Effectiveness Factor in Ethylbenzene Dehydrogenation by Orthogonal Collocation; Abstracts; Keywords Index; Authors Index

Sommario/riassunto

This twelfth volume in the series includes 589 abstracts of ceramics research papers, together with original papers on other major material groups, and theory: Studies of the EPR Parameters and Local Structure of Co^{2+} in ZnO, Structural and Electrical Changes in BiMnVOX Oxide-Ion Conductor, Effect of Film Thickness on Some Optical Properties of Sprayed Pyrolysis Cobalt Oxide Thin Films, A Novel Experimental Approach to Compatible Carbon Nanofiber Diffusion around Circular Carbon Micro-Post Surfaces, Structural Rigidity, Percolation and Transition-Temperature Study of the $\text{Ge}_{19}\text{Se}_{81-x}\text{Sb}_x$ System, P
