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Altri autori (Persone)	OchsnerAndreas
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Nota di contenuto	Diffusion in Solids and Liquids VII; Preface and Committees; Table of Contents; The Beauty of the Different Views on Diffusion; Fabrication and Properties of Sn-3.5Ag-XCu Solder by Ball Milling and Paste Mixing; Mass Transport Mechanism in the Retina of the Human Eye; Evaluation of Commercial Adsorbents for Removal of Biuret in Urea Solution for Automotive Applications; Evaluation of the Use of Solids Waste Generated in the Activities of Exploration as Adsorbents for Treatment of Oil Derivatives Electrochemical Behavior and Thickness of Aluminium Oxide Films Studied by EIS: Laboratory and Field StudiesBack Diffusion during Zone Melting of Metallurgical Silicon; Numerical Simulation of Rising Damp Phenomenon; Characterization of a Hygro-Regulated Wall Base Ventilation System for Treatment of Rising Damp; Influence of Thermal Treatment on the Heat Transfer of 10GN2MFA Steel; Exploitation of Artificial Intelligence Methods for Prediction of Atmospheric Corrosion; The Influence of Carbon Fillers on Thermal Transport in Polyurethane

Slow Crystallization of Al-Sc Alloys: Growth of Spherical Intermetallic Particles
 Novel Arrangement of Rough Tubes for Heat Flux Improvement; Estimation of Li-Ion Diffusion Coefficients in C60 Coated Si Thin Film Anodes Using Electrochemical Techniques; Synthesis and Characterization of the Gold-SiO₂ Core-Shell Nanoparticle on the X-Nanozeolite Used for Immobilization of the Alkaline Protease Enzyme; The Kinetic Monte Carlo Simulations of the Self-Diffusivity in Zeolites
 Comparison of Elastic Constant for Borassus flabellifer in the Longitudinal and Perpendicular Direction of Fibres with Frequency
 The Principles of Processing Siderite Ores with a High Magnesium Oxide Content; Closed Form Solutions to Nonlinear Heat Conduction Problems; Three-Dimensional Diffusion in Arbitrary Domain Using Generalized Coordinates for the Boundary Condition of the First Kind: Application in Drying; Thermodynamics of Defect Formation and Hydration of Y₂O₃; Prediction of Effective Heat Storage Coefficient of Multi-Phase Materials
 Effect of TiC Particles Volume Fraction on the Mutual Diffusion of Al and Mg during Fabrication of Al-4.5wt%Mg/TiC via Mechanical Alloying Process
 Phase Transformation and Thermoelectric Properties of In_{0.25}Co_{4-x}Ni_xSb₁₂ Skutterudites; Improvement of Surface Quality and Parts Functional Ability by Vibro-Mechanical Consolidation Treatment and Finishing; Applying Computational Analysis in Studies of Resin Transfer Moulding; Mass Transfer of God Particle or Higgs Boson; Study of Diffusion and Water Vapor Permeability in Chitosan Films and Chitosan Emulsified Films
 The Meshfree Finite Element Method for Fluids with Large Deformations

Sommario/riassunto

This special issue of Defect and Diffusion Forum contains selected refereed papers which were presented at the 7th International Conference on Diffusion in Solids and Liquids (DSL-2011) held on the 26 to 30th June 2011 at the Hilton Vilamoura, Algarve, Portugal. The goal of the conference was to provide a unique opportunity to exchange information, to present the latest results and review burning issues in contemporary diffusion research. Young scientists were especially encouraged to attend the conference and to establish international links with established scientists.
