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Defects and Diffusion in Metals XIII; Table of Contents; Bulk Diffusion of Homovalent Non-Magnetic Atomic Probes of Titanium and Zirconium in Tungsten Single Crystals; The Comparative Mossbauer Analysis of Superfine Structure of Hadfield Steel upon Different Kinds of Severe Deformation; Assessment of Microstructural Degradation in 2.25Cr-1Mo Steel Using Miniature Specimen Technique; Isochronal and Isothermal Annealing of Wrought Aluminum Alloy; On the Application of the Photoacoustic Method for the Determination of the Thermal Properties of Heat-Treated and Annealed Al-Li Alloy Effect of Ageing on Microstructures, Electrical Properties and PALS of Aircraft Al Alloy 2024Preparation of C/Cu Composite Powders by High-

Effect of Ageing on Microstructures, Electrical Properties and PALS of Aircraft Al Alloy 2024Preparation of C/Cu Composite Powders by High-Energy Ball-Milling; Quantitative Analysis of Fiber Fracture in Powder Injection Molded Metal Composites; A Review of Wear Mechanisms of Ceramic-Reinforced Metal-Matrix Composite: Case Study of Nano Silica Reinforced Iron; Development and Characterization of Alumina-Silica Sand Nanoparticle Composites; Characterization and Properties of Copper-Silica Sand Nanoparticle Composites

Diffusion Processes Affecting the Performance of Heterogeneous Catalysts: Part 1Analytical Solutions for Moving Elliptical Paraboloid Heat Source in Semi-Infinite Plate; Solution for Modeling 3D Moving Heat Sources in a Semi-Infinite Medium and Applications to Submerged Arc Welding; Probing the Phase Transition in Nanocrystalline TiO2

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Sommario/riassunto

This thirteenth volume in the series covers the latest results in the field. As well as some 360 metals-related abstracts, the issue includes original papers on all of the major material groups: ""Bulk Diffusion of Homovalent Non-Magnetic Atomic Probes of Titanium and Zirconium in Tungsten Single Crystals"", ""Comparative Mossbauer Analysis of Superfine Structure of Hadfield Steel Upon Different Kinds of Severe Deformation"", Assessment of Microstructural Degradation in 2.25Cr-1Mo Steel..."", ""Isochronal and Isothermal Annealing of Wrought Aluminum Alloy"", ""Application of the Photoacoustic