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and Mechanical Properties of 99.3Sn-0.7Cu/Si₃N₄ Novel Lead-Free Nanocomposite Solder; Synthesis and Characterization of Novel Polyurethanes Based on N,N'-1,2-Ethanediylbis-(4-Hydroxy-Pantanamide) and 4-Hydroxy-N-(2-Hydroxyethyl)-Pantanamide; Determination of Copper Dissolution Activation Energy in Concentrated Hydrogen Peroxide

Analysis of the Fe-Ti and Mg-Ti-Fe Alloys Prepared by High Energy Ball Milling and their Hydrogen Capacity; Study of the Electrical Conductivity of Oil Palm Fiber Carbon; Neural Networks with Radial Basis Function and NARX Structure for Material Lifetime Assessment Application; Preparation of Porous Ceramic with Controllable Additive and Firing Temperature; Keywords Index; Authors Index

Sommario/riassunto

The development of new engineering materials and technologies continues at a rapid pace. However, the application and dissemination of many of these materials and technologies is especially limited with regard to their incorporation into integrated design in urban eco-technologies, their market perspectives and their timely contribution to the existing and future requirements of mankind. The topics covered in this volume include: nanomaterials, materials for energy, metals, polymers, ceramics, composites, biomaterials, thin films and materials processing. The work is sure to have a stimulating
