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Nota di contenuto	Properties of Lanthanum Hexaboride; Table of Contents; Investigating the Pitting Resistance of 316 Stainless Steel in Ringer's Solution Using the Cyclic Polarization Technique; Effect of Different Modifiers on Microstructure and Strength of Locally Developed A356 Al-Si Alloy; The Site Preference of Alloying Element Zr in NiAl Dislocation Core and its Effects on Bond Characters; Studying the Effect of Different Combinations of Salt Modifier on the Mechanical Properties and Microstructure of A356 Al-Si Alloy; Quasicrystalline Phase Formation in High Frequency Induction Melted Al80Cu14Fe6 Alloy Numerical Investigation of the Effect of Sprue Base Design on the Flow Pattern of Aluminum Gravity CastingEvaluation of Surface Preparation Techniques for Steel Substrates Prior to Coating Application; Thermal Desorption of Hydrogen from AISI 316L Stainless Steel and Pure Nickel; Structural and Concentration Heterogeneities during Formation of Silicide Phases in the Thin Film System Ti(5nm)/Ni(24nm)/Si(001); Studies on the g Factor and Hyperfine Structure Constant for Ir4+ in CdO Theoretical Studies of the Local Structures and Spin Hamiltonian Parameters for the Cu2+ Centers in Alkali Barium Borate GlassesStudy of the Properties of CR-39 Polymer Irradiated with Alpha Particles with Different Energies at Different Etching Times; A Review of Diffusion and Interfacial Reactions in Sandwich Thin-Film Couples; Correlation

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Sommario/riassunto	Lanthanum hexaboride is useful because it possesses a high melting point (2210C), a low work function, one of the highest known electron emissivities, and is stable in vacuum. This volume summarises the extant data on the properties of this material, including the: bulk modulus, conductivity, crystal structure, Debye temperature, defect structure, elastic constants, electronic structure, emissivity, Fermi surface, hardness, heat capacity, magnetoresistance, reflectivity, resistivity, specific heat, surface structure, thermal conductivity, thermoelectric power, toughness and work function. The