

CONTENTS

	Page
Thermodynamic Properties of Liquid Metals including Rare Metals using Simple Model Theories I. Yokoyama and T. Arai	1
Characteristic Structural Features of Rare Metals in the Liquid State Y. Waseda	11
Extraction of Uranium by Emulsion Liquid Membranes Containing β -Diketones and Tributyl Phosphate K. Akiba and J. Ohki	21
Production of High-Purity Niobium by Carbon Reduction Smelting and Electron Beam Melting K. Mimura and M. Nanjo	29
Ultra Fine Powder from Alloy Resources via Alkoxide. (Resources Chain and Primary Innovation) N. Sato and M. Nanjo	39
Applications of Rare Earth Metals as Magnetic and Electronic Materials K. Fukamichi	47
X-ray Absorption Edge for Rare Metals (Lanthanoid and Actinoid) Estimated by Calculating the Energy Dependence of the Anomalous Dispersion Factors Y. Waseda, E. Matsubara and H. Ohta	61
Some Interesting Aspects of Non-ferrous Metallurgical Slags In-Kook Suh, Y. Waseda, A. Yazawa and W.G. Davenport	65