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Nota di contenuto	Frontmatter -- Preface -- Contents -- 1 Introduction -- 2 Preparation, Electrochemical Properties and Gaseous Hydrogen Storage Characteristics of the Single-Phase Superlattice RE-Mg-Ni-Based Hydrogen Storage Alloys -- 3 Effect of Multiphase Structures on Electrochemical Properties of the Superlattice RE-Mg-Ni-Based Hydrogen Storage Alloys -- 4 Effect of Element Composition on Microstructure and Electrochemical Characteristics of RE-Mg-Ni-Based Hydrogen Storage Alloys -- 5 Effect of Surface Treatment on Electrochemical Characteristics of RE-Mg-Ni-Based Hydrogen Storage Alloys -- 6 Outlook and Challenges of RE-Mg-Ni-Based Alloys as Negative Electrode Materials for Ni/MH Batteries -- Index
Sommario/riassunto	The book presents current research progress on hydrogen storage alloys, with a special focus on their applications in batteries. Background, formation mechanisms, electrochemical characteristics, and effects of elemental substitution are covered. Provides an up-to-date overview of the theme for experienced researchers, while including enough fundamentals to serve as a handy, practical introduction for newcomers to the field.