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Sommario/riassunto

This book, edited by Minghua Chen, explores the development and application of next-generation energy storage technologies. It provides a comprehensive overview of both fundamental and commercial aspects of these technologies, highlighting key components such as cathodes, anodes, and electrolytes. The book covers various types of batteries including lithium-ion, sodium-ion, and metal-ion batteries, as well as discussing hybrid devices and fuel cells. Intended for researchers, engineers, and students in the field of energy technology, the book aims to address the challenges and advancements in energy storage systems, focusing on improving energy efficiency and reducing reliance on non-renewable energy sources.