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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Challenges of key materials for rechargeable batteries Olivine-based cathode materials Polyanion compounds as cathode materials for Li- ion batteries Carbonaceous anode materials Lithium titanate-

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	future Oxygen redox catalyst for rechargeable lithium-air battery Aqueous lithium-air batteries Lithium-sulfur battery Why Grignard's century old Nobel Prize sparks your curiosity Organic cathode materials for rechargeable batteries Recent developments and trends in redox flow batteries.
Sommario/riassunto	This book updates the latest advancements in new chemistries, novel materials and system integration of rechargeable batteries, including lithium-ion batteries and batteries beyond lithium-ion, and addresses where the research is advancing in the near future in a brief and concise manner. The book is intended for a wide range of readers from undergraduates, postgraduates to senior scientists and engineers. In order to update the latest status of rechargeable batteries and predict near research trend, we plan to invite the world leading researchers who are presently working in the field to write each chapter of the book. The book covers not only lithium-ion batteries but also other batteries beyond lithium-ion, such as lithium-air, lithium-sulfur, sodium-ion, sodium-sulfur, magnesium-ion, and liquid flow batteries.