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Titolo	Report of the Commissioner of the Environment and Sustainable Development
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Classificazione	cci1icc coll14
Disciplina	333.7/2/097105
Soggetti	Environmental protection - Canada Environmental policy - Canada Sustainable development - Canada Sustainable development - Government policy - Canada Economic development - Environmental aspects - Canada Environmental auditing - Canada Environnement - Protection - Canada Environnement - Politique gouvernementale - Canada Développement durable - Canada Développement durable - Politique gouvernementale - Canada Développement économique - Aspect de l'environnement - Canada Vérification environnementale - Canada Economic development - Environmental aspects Environmental auditing Environmental policy Environmental protection Sustainable development Sustainable development - Government policy Periodicals. Canada
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2. Record Nr.	UNINA9910986144203321
Autore	Tong Xingcun Colin
Titolo	Advanced Energy Materials for Flexible Batteries // by Colin Tong
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031839719 3031839714
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Descrizione fisica	1 online resource (422 pages)
Collana	Springer Series in Materials Science, , 2196-2812 ; ; 349
Disciplina	530.41
Soggetti	Solid state physics Electric batteries Materials Materials - Analysis Electronic circuits Electrodynamics Electronic Devices Batteries Characterization and Analytical Technique Electronic Circuits and Systems Classical Electrodynamics
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Nota di contenuto	Chapter 1: Flexible battery as the power solution for flexible electronics -- Chapter 2: Characterization methodology to assess flexible batteries -- Chapter 3: Construction and configuration of flexible batteries -- Chapter 4: Flexible lithium-ion batteries -- Chapter 5: Flexible lithium-sulfur and analogous alkali metal-chalcogen batteries -- Chapter 6: Flexible zinc-ion batteries -- Chapter 7: Flexible sodium-ion batteries -- Chapter 8: Flexible metal-air batteries -- Chapter 9: Perspectives and future trends toward multifunctional batteries.
Sommario/riassunto	This book provides a comprehensive guide to the cutting-edge science and engineering behind the development of flexible batteries. These innovative devices, capable of bending, twisting, and stretching, hold immense potential for applications ranging from wearable electronics

to large-scale energy storage systems. The book presents a thorough overview of the essential materials and design principles that underpin flexible battery technology. It explores the latest advancements in electrode materials, electrolytes, and separators, focusing on materials that exhibit exceptional flexibility, high energy density, and excellent rate capability. In addition to materials selection, the book addresses the challenges and opportunities associated with designing and manufacturing flexible batteries. It discusses strategies for creating flexible battery cells that can withstand mechanical deformation, as well as efficient manufacturing processes and performance evaluation methods. By offering a deep understanding of the materials science and engineering principles governing flexible batteries, this book aims to inspire further research and development in this rapidly evolving field. This book is an essential resource for engineers and materials scientists involved in battery development.
