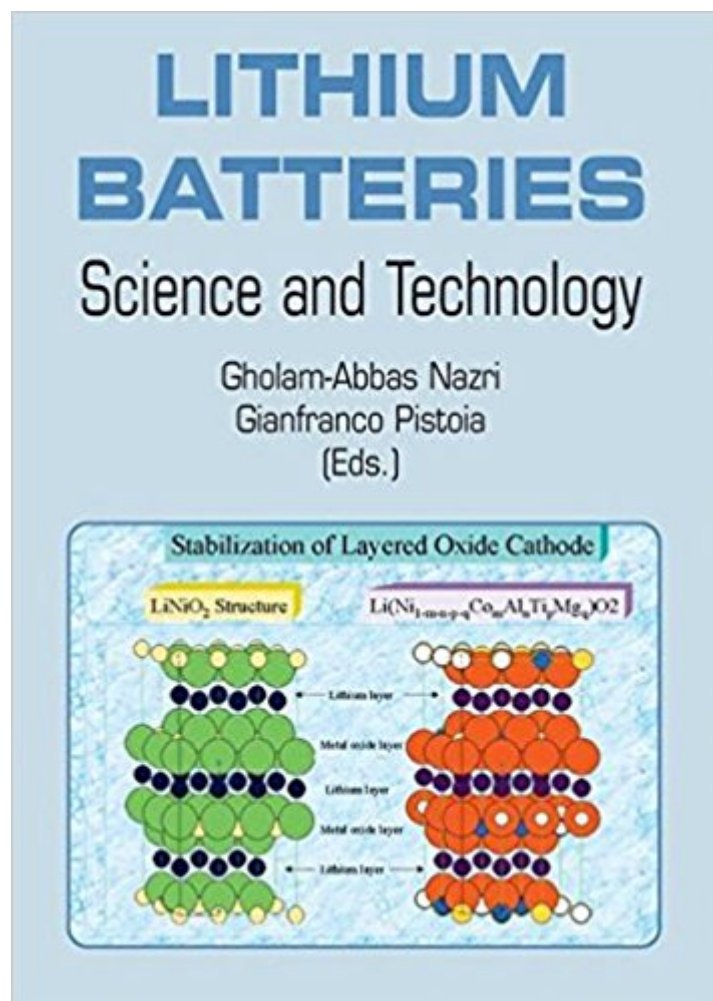


The book was found

# Lithium Batteries: Science And Technology



## Synopsis

Lithium Batteries: Science and Technology is an up-to-date and comprehensive compendium on advanced power sources and energy related topics. Each chapter is a detailed and thorough treatment of its subject. The volume includes several tutorials and contributes to an understanding of the many fields that impact the development of lithium batteries. Recent advances on various components are included and numerous examples of innovation are presented. Extensive references are given at the end of each chapter. All contributors are internationally recognized experts in their respective specialty. The fundamental knowledge necessary for designing new battery materials with desired physical and chemical properties including structural, electronic and reactivity are discussed. The molecular engineering of battery materials is treated by the most advanced theoretical and experimental methods.

## Book Information

Paperback: 708 pages

Publisher: Springer; 2003 edition (January 14, 2009)

Language: English

ISBN-10: 0387926747

ISBN-13: 978-0387926742

Product Dimensions: 6.1 x 1.6 x 9.2 inches

Shipping Weight: 2.3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #1,370,964 in Books (See Top 100 in Books) #44 in [Books > Science & Math > Chemistry > Physical & Theoretical > Electrochemistry](#) #48 in [Books > Science & Math > Chemistry > Electrochemistry](#) #121 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Testing](#)

## Customer Reviews

From the reviews: "Among the various successful developments in electrochemical energy technology [there is hardly any match for lithium batteries. The editor's expertise both as actual researcher in the area and as consultant provide a solid foundation. This book has a very logical and evident structure providing easy access for anybody interested in this area of research and technology. The book is carefully prepared.](#)" (Rudolf Holze, Journal of Solid State Electrochemistry, Vol. 9 (11), 2005)

Lithium Batteries: Science and Technology is an up-to-date and comprehensive compendium on advanced power sources and energy related topics. Each chapter is a detailed and thorough treatment of its subject. This volume includes several tutorials and contributes to an understanding of the many fields that impact the development of lithium batteries. Recent advances on various components are included and numerous examples of innovation are presented. Extensive references are given at the end of each chapter. All contributors are internationally recognized experts in their respective specialty. The fundamental knowledge necessary for designing new battery materials with desired physical and chemical properties including structural, electronic and reactivity are discussed. The molecular engineering of battery materials is treated by the most advanced theoretical and experimental methods. Readers can find a wealth of energy related topics, such as energy storage, use of hybrid systems and battery-based transportation. This book is designed primarily as a reference book covering all aspects of physics, chemistry and the materials science of Li batteries. The tutorial development of the chapters should also encourage use of this book for advanced level courses. Lithium Batteries: Science & Technology is an invaluable reference book for researchers, battery developers and manufacturers, and industrial managers working in the field of Li batteries.

This is an in depth book about Li battery chemistry. Probably very good. But it is not "everything about Li batteries" as it only covers chemistry.

[Download to continue reading...](#)

Lithium Metal Anodes and Rechargeable Lithium Metal Batteries (Springer Series in Materials Science)  
Electrolytes for Lithium and Lithium-Ion Batteries (Modern Aspects of Electrochemistry)  
Nanoscale Technology for Advanced Lithium Batteries (Nanostructure Science and Technology)  
Lithium Batteries: Science and Technology  
Lithium-Ion Batteries: Science and Technologies  
Lithium Process Chemistry: Resources, Extraction, Batteries, and Recycling  
Nanomaterials for Lithium-Ion Batteries: Fundamentals and Applications  
DIY Lithium Batteries: How to Build Your Own Battery  
Packs Off Grid Solar: A handbook for Photovoltaics with Lead-Acid or Lithium-Ion batteries  
Advances in Lithium-Ion Batteries  
LITHIUM-ION BATTERIES: SOLID-ELECTROLYTE INTERPHASE  
Batteries for Sustainability: Selected Entries from the Encyclopedia of Sustainability  
Science and Technology  
Li-S and Li-O<sub>2</sub> Batteries with High Specific Energy: Research and Development (SpringerBriefs in Molecular Science)  
Advanced Batteries: Materials Science Aspects  
Introduction to Nanoscale Science and Technology (Nanostructure Science and Technology)  
Science and Technology in the Global Cold War (Transformations: Studies in the History of Science

and Technology) Foresight for Science, Technology and Innovation (Science, Technology and Innovation Studies) Finding Sanity: John Cade, Lithium and the Taming of Bipolar Disorder Advances in Corrosion Science and Technology: Volume 6 (Advances in Corrosion Science & Technology) Holt Science & Technology: Microorganisms, Fungi, and Plants Course A (Holt Science & Technology [Short Course])

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)