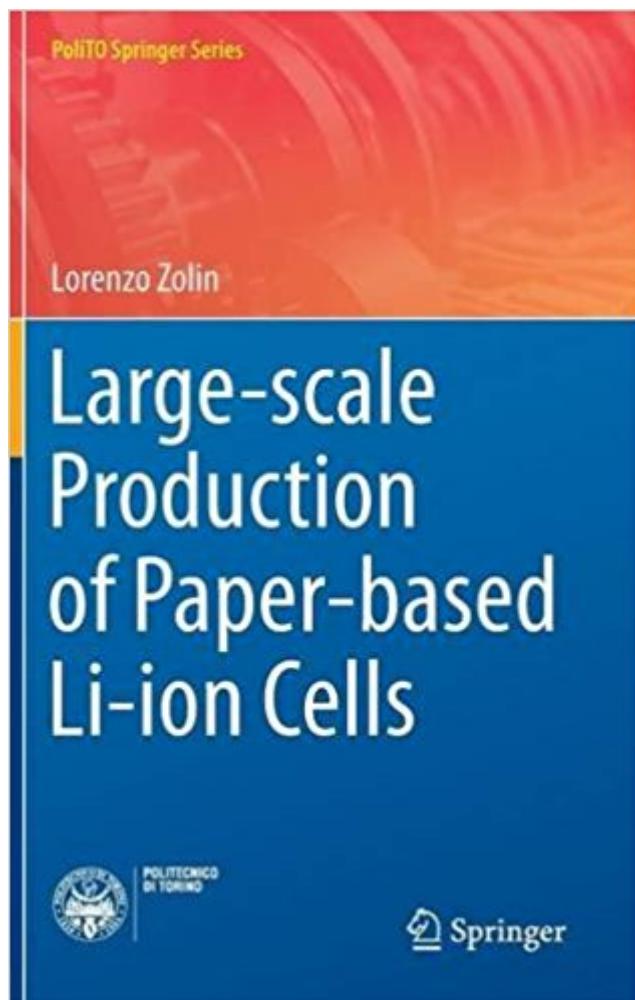


The book was found

Large-scale Production Of Paper-based Li-ion Cells (PoliT0 Springer Series)



Synopsis

This book describes in detail the use of natural cellulose fibers for the production of innovative, low-cost, and easily recyclable lithium-ion (Li-ion) cells by means of fast and reliable papermaking procedures that employ water as a solvent. In addition, it proposes specific methods to optimize the safety features of these paper-based cells and to improve the electronic conductivity of the electrodes by means of a carbonization process – an interesting novel technology that enables higher current rate capabilities to be achieved. The in-depth descriptions of materials, methods, and techniques are complemented by the inclusion of a general overview of electrochemical devices and, in particular, of different Li-ion battery configurations. Presenting the outcomes of this important research, the work is of wide interest to electrochemical engineers in both research institutions and industry.

Book Information

Series: PoliTO Springer Series

Hardcover: 115 pages

Publisher: Springer; 1st ed. 2017 edition (July 29, 2016)

Language: English

ISBN-10: 3319390155

ISBN-13: 978-3319390154

Product Dimensions: 6.1 x 0.4 x 9.2 inches

Shipping Weight: 13 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,183,785 in Books (See Top 100 in Books) #134 in Books > Science & Math > Chemistry > Physical & Theoretical > Electrochemistry #5312 in Books > Engineering & Transportation > Engineering > Materials & Material Science #6491 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction

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

Large-scale Production of Paper-based Li-ion Cells (PoliTO Springer Series) Modern Radio Production: Production Programming & Performance (Wadsworth Series in Broadcast and Production) Fluorescence Microscopy of Living Cells in Culture, Part A, Volume 29: Fluorescent Analogs, Labeling Cells, and Basic Microscopy (Methods in Cell Biology, Vol) (Vol 29) Sing You Home Large Print (Large Print, companion soundtrack, Large Print) Word Search Puzzles Large Print: Large print word search, Word search books, Word search books for adults, Adult word

search books, Word search puzzle books, Extra large print word search The Hop Grower's Handbook: The Essential Guide for Sustainable, Small-Scale Production for Home and Market The Organic Grain Grower: Small-Scale, Holistic Grain Production for the Home and Market Producer Copper Zinc Tin Sulfide-Based Thin Film Solar Cells The Coal Handbook: Towards Cleaner Production: Coal Production (Woodhead Publishing Series in Energy) Software Engineering for Large-Scale Multi-Agent Systems: Research Issues and Practical Applications (Lecture Notes in Computer Science) Data Just Right: Introduction to Large-Scale Data & Analytics (Addison-Wesley Data and Analytics) Lean from the Trenches: Managing Large-Scale Projects with Kanban Large-Scale Solar Power Systems: Construction and Economics (Sustainability Science and Engineering) Managing Crises: Responses To Large-Scale Emergencies The Everything Large-Print Bible Word Search Book: 150 inspirational puzzles - now in large print! (Everything Series) The Large Dam Dilemma: An Exploration of the Impacts of Hydro Projects on People and the Environment in China (Springer Briefs in Environmental Science) The Higher Infinite: Large Cardinals in Set Theory from Their Beginnings (Springer Monographs in Mathematics) Formulas and Calculations for Drilling, Production, and Workover, Fourth Edition: All the Formulas You Need to Solve Drilling and Production Problems Formulas and Calculations for Drilling, Production, and Workover, Third Edition: All the Formulas You Need to Solve Drilling and Production Problems Zettl's Television Production Workbook, 12th (Broadcast and Production)

[Dmca](#)