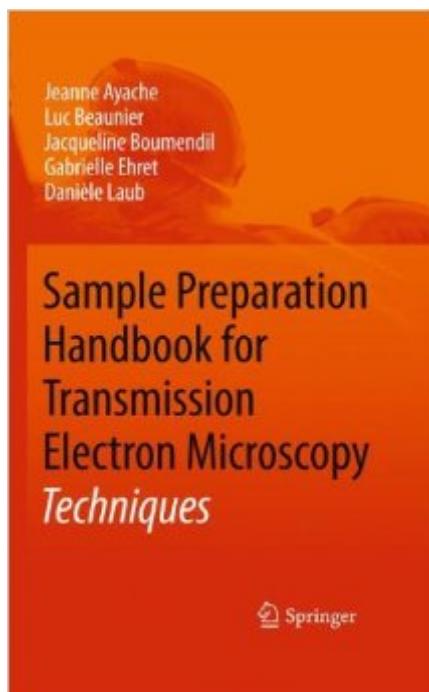


The book was found

# Sample Preparation Handbook For Transmission Electron Microscopy: Techniques



## Synopsis

Successful transmission electron microscopy in all of its manifestations depends on the quality of the specimens examined. Biological specimen preparation protocols have usually been more rigorous and time consuming than those in the physical sciences. For this reason, there has been a wealth of scientific literature detailing specific preparation steps and numerous excellent books on the preparation of biological thin specimens. This does not mean to imply that physical science specimen preparation is trivial. For the most part, most physical science thin specimen preparation protocols can be executed in a matter of a few hours using straightforward steps. Over the years, there has been a steady stream of papers written on various aspects of preparing thin specimens from bulk materials. However, aside from several seminal textbooks and a series of book compilations produced by the Material Research Society in the 1990s, no recent comprehensive books on thin specimen preparation have appeared until this present work, first in French and now in English. Everyone knows that the data needed to solve a problem quickly are more important than ever. A modern TEM laboratory with supporting SEMs, light microscopes, analytical spectrometers, computers, and specimen preparation equipment is an investment of several million US dollars. Fifty years ago, electropolishing, chemical polishing, and replication methods were the principal specimen preparation methods.

## Book Information

Hardcover: 338 pages

Publisher: Springer; 2010 edition (June 22, 2010)

Language: English

ISBN-10: 1441959742

ISBN-13: 978-1441959744

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1.4 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,237,897 in Books (See Top 100 in Books) #78 in Books > Science & Math > Experiments, Instruments & Measurement > Electron Microscopes & Microscopy #241 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Testing #456 in Books > Science & Math > Earth Sciences > Mineralogy

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

D. B. Williams's C. Barry Carter's Transmission Electron Microscopy 2nd(Second) edition

(Transmission Electron Microscopy: A Textbook for Materials Science [Hardcover])(2009) Sample Preparation Handbook for Transmission Electron Microscopy: Techniques Electron Diffraction in the Transmission Electron Microscope (Microscopy Handbooks) Handbook of Transmission Electron Microscopy Transmission Electron Microscopy: A Textbook for Materials Science (4 Vol set) Scanning Transmission Electron Microscopy of Nanomaterials: Basics of Imaging Analysis Scanning Transmission Electron Microscopy: Imaging and Analysis Transmission Electron Microscopy: Physics of Image Formation (Springer Series in Optical Sciences) Typical Electron Microscope Investigations (Monographs in Practical Electron Microscopy in Materials Sci) Principles and Techniques of Electron Microscopy: Biological Applications Scanning Electron Microscopy and X-Ray Microanalysis: A Text for Biologists, Materials Scientists, and Geologists Scanning Electron Microscopy and X-Ray Microanalysis Practical Electron Microscopy: A Beginner's Illustrated Guide Electron Microscopy, 2nd Edition Light and Electron Microscopy Diagnostic Electron Microscopy: A Practical Guide to Interpretation and Technique Introduction to Electron Microscopy ISO 8868:1989, Fluorspar -- Sampling and sample preparation Handbook of Natural Gas Transmission and Processing, Second Edition Networks and Grids: Technology and Theory (Information Technology: Transmission, Processing and Storage)

[Dmca](#)