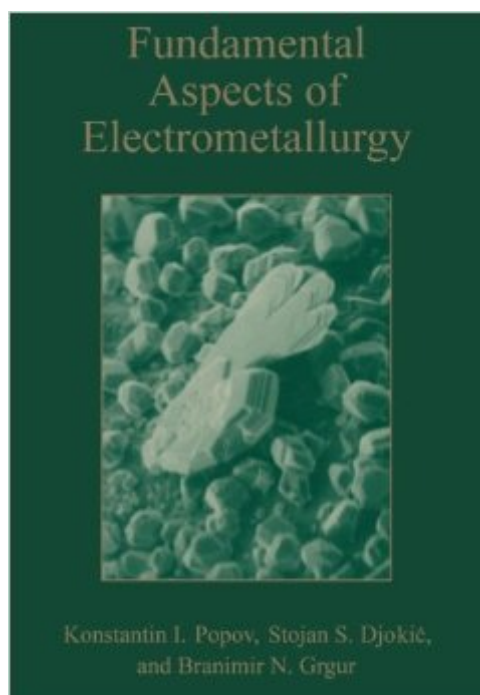


The book was found

Fundamental Aspects Of Electrometallurgy



Synopsis

Electrometallurgy is a broad field but it is not a new one. It was the great Faraday in the 1830s who discovered laws covering the electrodeposition of metals and its relation to the current passed and equivalent weight of the metal undergoing deposition. Since that time, applications and developments of his discoveries have spread to many areas of technology. Electrowinning is the most well known, partly because it embraces the process by which aluminum is extracted from its ores. In electrorefining, the impure metal is made into anode and the pure metal dissolved therefrom is deposited on a cathode. Electroplating is exemplified by its use in the manufacture of car bumpers. Finally, in electroreforming, objects may be metallized, often with a very thin layer of the coating desired. The numerous technologies vary greatly in the degree to which they are intellectualized. Until the work of Popov et al., electrometallurgy has been regarded as largely empirical, an activity in which there was much art and little science. This will all change with the publication of this book. Several aspects of the background of its senior author, Konstantin Popov, make him uniquely suited to the job of intellectualizing electrometallurgy. First, he had as his mentor the great surely the leading electrochemist in Eastern Europe since the death of Frumkin. Second, he has had ample experience with the leading electrochemical engineer in America, Ralph White.

Book Information

Paperback: 305 pages

Publisher: Springer; Softcover reprint of the original 1st ed. 2002 edition (October 4, 2013)

Language: English

ISBN-10: 1475787200

ISBN-13: 978-1475787207

Product Dimensions: 6.7 x 0.7 x 9.6 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,469,433 in Books (See Top 100 in Books) #93 in Books > Science & Math > Chemistry > Physical & Theoretical > Electrochemistry #291 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Testing #604 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Metallurgy

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

Fundamental Aspects of Electrometallurgy Roofing (Fundamental Series) (Passbooks)

(Fundamental Passbooks) Fundamental Aspects of Plasma Chemical Physics: Transport (Springer

Series on Atomic, Optical, and Plasma Physics) Practical Aspects of Interview and Interrogation, Second Edition (Practical Aspects of Criminal and Forensic Investigations) SAM 2013 Assessment, Training and Projects with MindTap Reader for Discovering Computers & Microsoft Office 2013: A Fundamental Combined Approach Printed Access Card Service Design Patterns: Fundamental Design Solutions for SOAP/WSDL and RESTful Web Services Chinese Technique: An Illustrated Guide to the Fundamental Techniques of Chinese Cooking Hacking: Basic Hacking Fundamental Secrets The Big 15 Paleo Cookbook: 15 Fundamental Ingredients, 150 Paleo Diet Recipes, 450 Variations Bonsai for Beginners Book: Your Daily Guide for Bonsai Tree Care, Selection, Growing, Tools and Fundamental Bonsai Basics Fundamental Mechanics of Fluids, Fourth Edition Fundamental Concepts of Earthquake Engineering Fundamental Concepts in Electrical and Computer Engineering with Practical Design Problems (Second Edition) Finnie's Notes on Fracture Mechanics: Fundamental and Practical Lessons Fundamental Concepts in the Design of Experiments Spacecraft Thermal Control Handbook, Volume I: Fundamental Technologies Foundations in Craniosacral Biodynamics, Volume One: The Breath of Life and Fundamental Skills Privacy in Peril: How We Are Sacrificing a Fundamental Right in Exchange for Security and Convenience Beginning Chess: How to Master the Fundamental Skills Legal Analysis: The Fundamental Skill

[Dmca](#)