

The book was found

Surface Analysis Of Polymers By XPS And Static SIMS (Cambridge Solid State Science Series)



Synopsis

This in-depth treatment of the instrumentation, physical bases and applications of x-ray photoelectron spectroscopy (XPS) and static secondary ion mass spectroscopy (SSIMS) contains a specific focus on the subject of polymeric materials. XPS and SSIMS are widely accepted as the two most powerful techniques for polymer surface chemical analysis, particularly in the context of industrial research and problem solving. The author describes the techniques and applications of XPS and SSIMS. He also includes details of case studies, emphasizing the complementary and joint application of XPS and SSIMS in the investigation of polymer surface structure and its relationship to the properties of the material. This book will be of value to academic and industrial researchers interested in polymer surfaces and surface analysis.

Book Information

Series: Cambridge Solid State Science Series

Hardcover: 214 pages

Publisher: Cambridge University Press; 1 edition (May 28, 1998)

Language: English

ISBN-10: 0521352223

ISBN-13: 978-0521352222

Product Dimensions: 6.8 x 0.5 x 9.7 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

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

Best Sellers Rank: #4,734,469 in Books (See Top 100 in Books) #106 in [Books > Science & Math > Chemistry > Polymers & Macromolecules](#) #3158 in [Books > Science & Math > Chemistry > Organic](#) #3889 in [Books > Medical Books > Medicine > Internal Medicine > Pathology > Clinical Chemistry](#)

Customer Reviews

"...written by one of those that mostly contributed to the development of the field...valuable to academic and industrial researchers interested to be introduced in the field." Polymer News

The behaviour of polymer and plastic surfaces is critical to a variety of applications of these materials, for example in printing, adhesive bonding, lamination and biomedical applications. This in turn is governed by the chemical structure and composition of the outermost molecular layers. This book describes the instrumentation, physical bases and application of two of the most powerful

techniques for polymer surface chemical analysis to have emerged in the past 25 years. It brings together the present state of knowledge in one book for the first time and is written by a pioneer in the field whose research has been driven by industrial requirements.

This book is an excellent resource for the surface analyst that works with organic and polymeric materials. The treatment of fundamentals and hardware is adequate and appropriate. There are many examples given for polymeric and additive systems, but one would wish for similar treatment for more systems.

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

Surface Analysis of Polymers by XPS and Static SIMS (Cambridge Solid State Science Series) Dr. James Marion Sims, with Notes on New York's Sculpture of Sims (Monuments of Manhattan) High Resolution XPS of Organic Polymers: The Scienta ESCA300 Database Christmas- The Story of Christmas Reusable Static Sticker-Children's Bible-Christmas Carol-Christmas Gifts-Angels-Baby Jesus-Joseph-Mary-Manger-Bright ... 2nd Edition Soft Cover (Static Sticker Bible) The Floridas: The Sunshine State * The Alligator State * The Everglade State * The Orange State * The Flower State * The Peninsula State * The Gulf State Biodegradable Polymers and Plastics (World Conference on Biodegradable Polymers and Plastics (7th) Fatigue of Materials (Cambridge Solid State Science Series) Second Edition Fracture of Brittle Solids (Cambridge Solid State Science Series) Introduction to Conventional Transmission Electron Microscopy (Cambridge Solid State Science Series) Fundamentals of Network Analysis and Synthesis (Prentice-Hall electrical engineering series. Solid state physical electronics series. Prentice-Hall networks series) Surface Chemistry of Surfactants and Polymers Introduction to Aircraft Flight Mechanics: Performance, Static Stability, Dynamic Stability, Classical Feedback Control, and State-Space Foundations (AIAA Education) The Finite Element Method: Linear Static and Dynamic Finite Element Analysis (Dover Civil and Mechanical Engineering) Nonlinear Power Flow Control Design: Utilizing Exergy, Entropy, Static and Dynamic Stability, and Lyapunov Analysis (Understanding Complex Systems) Electricity and Magnetism, Grades 6 - 12: Static Electricity, Current Electricity, and Magnets (Expanding Science Skills Series) Static Timing Analysis Interview Questions Surface Wave Methods for Near-Surface Site Characterization The Sims 3 Strategy Guide & Game Walkthrough - Cheats, Tips, Tricks, AND MORE! The Sims FreePlay Game Guide Static Electricity (Where does Lightning Come From): 2nd Grade Science Workbook | Children's Electricity Books Edition

Contact Us

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)