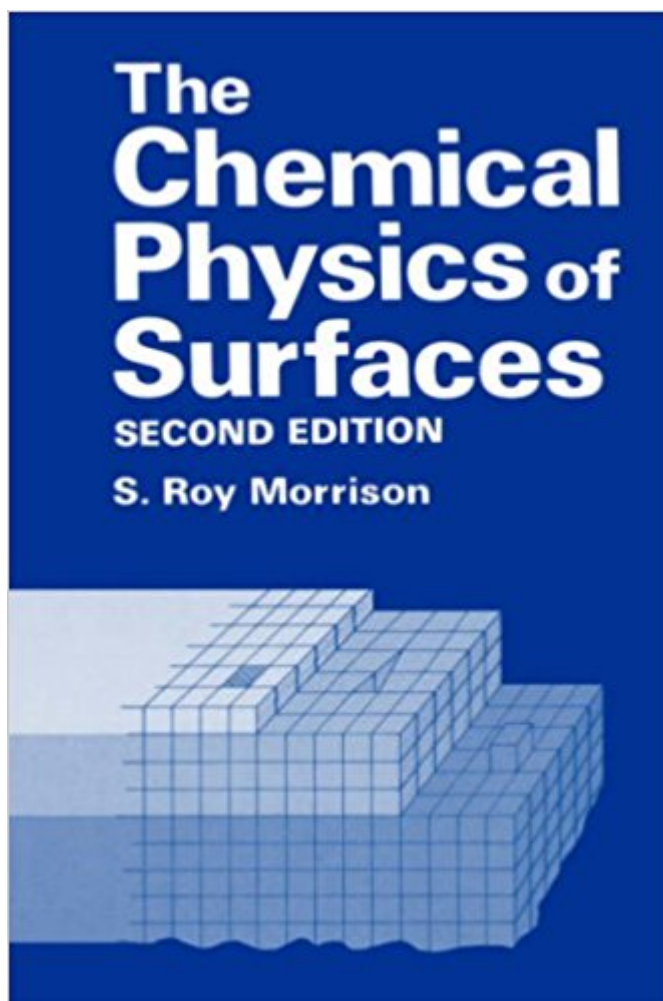


The book was found

The Chemical Physics Of Surfaces



Synopsis

of available information. Even more importantly, some authors who have contributed substantially to an area may have been overlooked. For this I apologize. I have, however, not attempted to trace techniques or observations historically, so there is no implication (unless specified) that the authors referred to were or were not the originators of a given method or observation. I would like to acknowledge discussions with co-workers at SFU for input relative to their specialties, to acknowledge the help of students who have pointed out errors and difficulties in the earlier presentation, and to acknowledge the infinite patience of my wife Phyllis while I spent my sabbatical and more in libraries and punching computers. S. Roy Morrison 0 1 Contents Notation XV 1.

Introduction 1 1. 1. Surface States and Surface Sites . 1 1. 1. 1. The Chemical versus Electronic Representation of the Surface. 1 1. 1. 2. The Surface State on the Band Diagram 4 1. 1. 3. The Fermi Energy in the Surface State Model. 6 1. 1. 4. Need for Both Surface Site and Surface State Models 6 1. 2. Bonding of Foreign Species to the Solid Surface 7 1. 2. 1. Types of Interaction. 7 1. 2. 2. The Chemical Bond . 10 1. 2. 3. Acid and Basic Surface Sites on Solids . 13 1. 2. 4. Adsorbate Bonding on Various Solid Types. 16 1. 2. 5. Movement of Surface Atoms: Relaxation, Reconstruction, and Relocation .

Book Information

Hardcover: 438 pages

Publisher: Springer; 1990 edition (November 30, 1990)

Language: English

ISBN-10: 0306435497

ISBN-13: 978-0306435492

Product Dimensions: 6 x 1.2 x 9 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,539,345 in Books (See Top 100 in Books) #52 in Books > Science & Math > Chemistry > Chemical Physics #584 in Books > Science & Math > Physics > Applied #618 in Books > Science & Math > Physics > Molecular Physics

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

Natural Surfaces: Visual Research for Artists, Architects, and Designers (Surfaces Series) The interaction of gases with solid surfaces, (The International encyclopedia of physical chemistry and chemical physics. Topic 14: Properties of interfaces) The Chemical Physics of Surfaces Advances

in Chemical Physics, Volume 15: Stochastic Processes in Chemical Physics (v. 15) Electronic Structure and the Properties of Solids: The Physics of the Chemical Bond (Dover Books on Physics) Introduction to Chemical Physics (International Series In Pure And Applied Physics) Chaos in Atomic Physics (Cambridge Monographs on Atomic, Molecular and Chemical Physics) The Chemical Physics of Ice (Cambridge Monographs on Physics) Atomic and Molecular Radiation Physics (Wiley Monographs on Chemical Physics) Fundamental Aspects of Plasma Chemical Physics: Transport (Springer Series on Atomic, Optical, and Plasma Physics) Recent Advances in the Theory of Chemical and Physical Systems: Proceedings of the 9th European Workshop on Quantum Systems in Chemistry and Physics ... in Theoretical Chemistry and Physics) The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) Head First Physics: A learner's companion to mechanics and practical physics (AP Physics B - Advanced Placement) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Physics for Kids : Electricity and Magnetism - Physics 7th Grade | Children's Physics Books Six Ideas that Shaped Physics: Unit N - Laws of Physics are Universal (WCB Physics) Quantum Electrodynamics: Gribov Lectures on Theoretical Physics (Cambridge Monographs on Particle Physics, Nuclear Physics and Cosmology) Six Ideas That Shaped Physics: Unit R - Laws of Physics are Frame-Independent (WCB Physics) Problem-Solving Exercises in Physics: The High School Physics Program (Prentice Hall Conceptual Physics Workbook) 101 Textures in Colored Pencil: Practical step-by-step drawing techniques for rendering a variety of surfaces & textures

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)