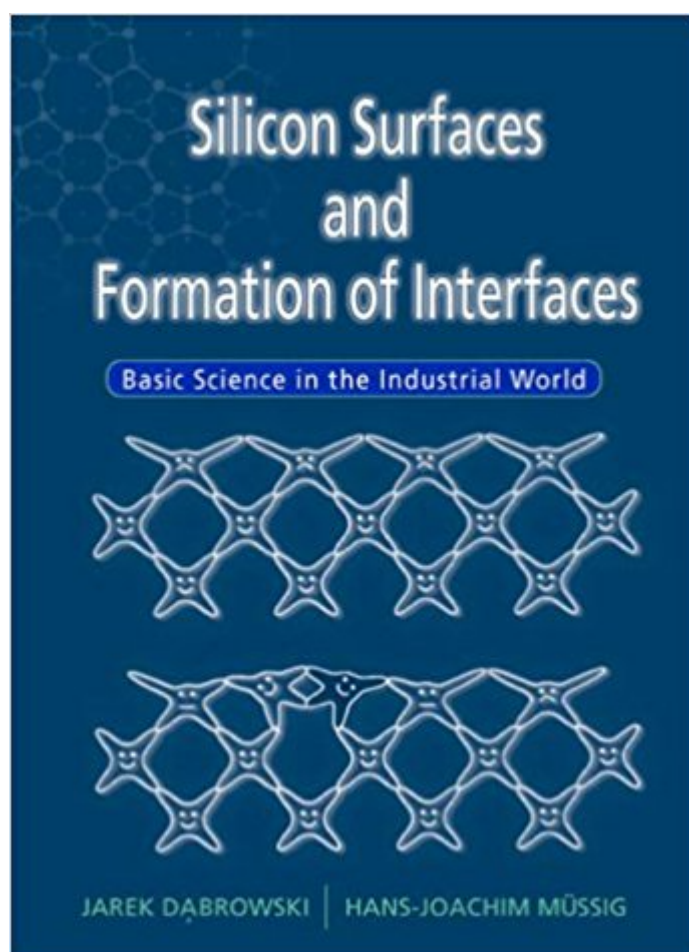


The book was found

# Silicon Surfaces And Formation Of Interfaces: Basic Science In The Industrial World



## Synopsis

Silicon, the basic material for a multibillion-dollar industry, is the most widely researched and applied semiconductor, and its surfaces are the most thoroughly studied of all semiconductor surfaces. *Silicon Surfaces and Formation of Interfaces* may be used as an introduction to graduate-level physics and chemical physics. Moreover, it gives a specialized and comprehensive description of the most common faces of silicon crystals as well as their interaction with adsorbates and overlayers. This knowledge is presented in a systematic and easy-to-follow way. Discussion of each system is preceded by a brief overview which categorizes the features and physical mechanisms before the details are presented. The literature is easily available, and the references are numerous and organized in tables, allowing a search without the need to browse through the text. Though this volume focuses on a scientific understanding of physics on the atomistic and mesoscopic levels, it also highlights existing and potential links between basic research in surface science and applications in the silicon industry. It will be valuable to anyone writing a paper, thesis, or proposal in the field of silicon surfaces.

## Book Information

Hardcover: 550 pages

Publisher: World Scientific Publishing Company (May 25, 2000)

Language: English

ISBN-10: 9810232861

ISBN-13: 978-9810232863

Product Dimensions: 6.4 x 1.3 x 9 inches

Shipping Weight: 2 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,937,199 in Books (See Top 100 in Books) #44 in [Books > Science & Math > Chemistry > Chemical Physics](#) #986 in [Books > Science & Math > Physics > Electromagnetism > Electricity](#) #1593 in [Books > Science & Math > Physics > Solid-State Physics](#)

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

*Silicon Surfaces and Formation of Interfaces: Basic Science in the Industrial World* The interaction of gases with solid surfaces, (The International encyclopedia of physical chemistry and chemical physics. Topic 14: Properties of interfaces) *Surfaces and Interfaces for Biomaterials* Natural Surfaces: Visual Research for Artists, Architects, and Designers (Surfaces Series) Evaluation of

Industrial Disability: Prepared by the Committee of the California Medical Association and Industrial Accident Commission of the State ... of Joint Measures in Industrial Injury Cases. Industrial Fluid Power, Vol. 1: Basic Text on Hydraulics, Air & Vacuum for Industrial and Mobile Applications FUI: How to Design User Interfaces for Film and Games: Featuring tips and advice from artists that worked on: Minority Report, The Avengers, Star ... Wars, The Dark Tower, Black Mirror and more Patty's Industrial Hygiene and Toxicology, Volume 3, Part B, Third Edition, Theory and Rationle of Industrial Hygiene The Self in Black and White: Race and Subjectivity in Postwar American Photography (Interfaces: Studies in Visual Culture) Sensors, Actuators, and Their Interfaces: A Multidisciplinary Introduction (Materials, Circuits and Devices) Colloids and Interfaces in Life Sciences and Bionanotechnology, Second Edition Framed Spaces: Photography and Memory in Contemporary Installation Art (Interfaces: Studies in Visual Culture) An Introduction to Interfaces and Colloids: The Bridge to Nanoscience The Industrial Design Reference & Specification Book: Everything Industrial Designers Need to Know Every Day Fundamentals of Industrial Hygiene 6th Edition (Fundamentals of Industrial Hygene) Designing Interfaces: Patterns for Effective Interaction Design Hand Printing from Nature: Create Unique Prints for Fabric, Paper, and Other Surfaces Using Natural and Found Materials Modern Geometry Ã¢â¬â¢ Methods and Applications: Part I: The Geometry of Surfaces, Transformation Groups, and Fields (Graduate Texts in Mathematics) (Pt. 1) Algebraic Curves and Riemann Surfaces (Graduate Studies in Mathematics, Vol 5) Topology of Surfaces, Knots, and Manifolds

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)