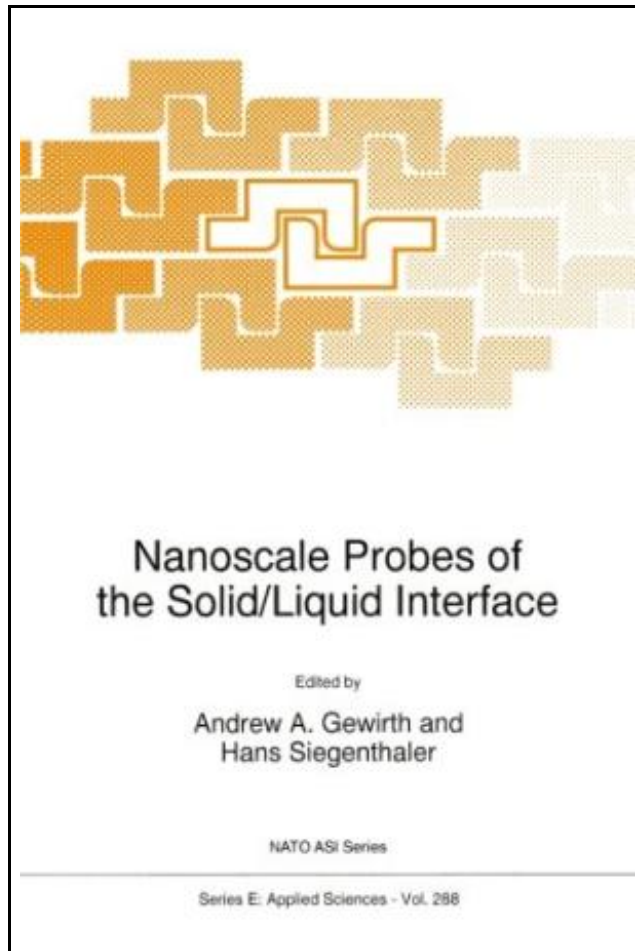


Nanoscale Probes of the Solid/Liquid Interface (Paperback)



Filesize: 3.66 MB

Reviews

The most effective book i ever read through. It can be rally fascinating throgh looking at time period. Your lifestyle span will be enhance when you complete looking over this publication.
(Maribel Kerluke)

NANOSCALE PROBES OF THE SOLID/LIQUID INTERFACE (PAPERBACK)

[DOWNLOAD](#)

Springer, Netherlands, 2010. Paperback. Book Condition: New. 235 x 155 mm. Language: English . Brand New Book. Nanoscale Probes of the Solid--Liquid Interface deals with the use of the scanning tunnelling microscope (STM) and related instrumentation to examine the phenomena occurring at the interface between solid and liquid. Scanning probe microscopy (the collective term for such instruments as the STM, the atomic force microscope and related instrumentation) allows detailed, real space atomic or lattice scale insight into surface structures, information which is ideally correlated with surface reactivity. The use of SPM methods is not restricted to ultrahigh vacuum: the STM and AFM have been used on samples immersed in solution or in ambient air, thus permitting a study of environmental effects on surfaces. At the solid--liquid interface the reactivity derives precisely from the presence of the solution and, in many cases, the application of an external potential. Topics covered in the present volume include: the advantages of studying the solid--liquid interface and the obtaining of additional information from probe measurements; interrelationships between probe tip, the interface and the tunnelling process; STM measurements on semiconductor surfaces; the scanning electrochemical microscope, AFM and the solid--liquid interface; surface X-ray scattering; cluster formation on graphite electrodes; Cu deposition on Au surfaces; macroscopic events following Cu deposition; deposition of small metallic clusters on carbon; overpotential deposition of metals; underpotential deposition; STM on nanoscale ceramic superlattices; reconstruction events on Au(ijk) surfaces; Au surface reconstructions; friction force measurements on graphite steps under potential control; and the biocompatibility of materials. Softcover reprint of the original 1st ed. 1995.

[Read Nanoscale Probes of the Solid/Liquid Interface \(Paperback\) Online](#)[Download PDF Nanoscale Probes of the Solid/Liquid Interface \(Paperback\)](#)

You May Also Like



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications . (Paperback)

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually...

[Download eBook »](#)



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625) (Paperback)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

[Download eBook »](#)



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625) (Paperback)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

[Download eBook »](#)



The Frog Tells Her Side of the Story: Hey God, I m Having an Awful Vacation in Egypt Thanks to Moses! (Hardback)

Broadman Holman Publishers, United States, 2013. Hardback. Book Condition: New. Cory Jones (illustrator). 231 x 178 mm. Language: English . Brand New Book. Oh sure, we ll all heard the story of Moses and the...

[Download eBook »](#)



History of the Town of Sutton Massachusetts from 1704 to 1876 (Paperback)

Createspace, United States, 2015. Paperback. Book Condition: New. annotated edition. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.This version of the History of the Town of Sutton Massachusetts...

[Download eBook »](#)