

1. Record Nr.	UNINA9910144260503321
Titolo	Electrochemical nanotechnology [[electronic resource] ] : in-situ local probe techniques at electrochemical interfaces // edited by W.J. Lorenz and W. Plieth
Pubbl/distr/stampa	Weinheim ; ; Chichester, : Wiley-VCH, c1998
ISBN	1-281-76387-X 9786611763879 3-527-61215-7 3-527-61214-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (354 p.)
Altri autori (Persone)	LorenzW. J PliethW (Waldfried)
Disciplina	620.5
Soggetti	Nanotechnology Atomic force microscopy Electrochemistry Scanning probe microscopy Scanning tunneling microscopy Surface chemistry Surfaces (Physics) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index. "A publication initiated by IUPAC."
Nota di contenuto	Electrochemical Nanotechnology; Preface; Contents; Part I General Aspects; Local Probing of Electrochemical Processes at Non-ideal Electrodes; Electrochemistry and Nanotechnology; Imaging of Electrochemical Processes and Biological Macromolecular Adsorbates by in-situ Scanning Tunneling Microscopy; Beyond the Landscapes: Imaging the Invisible; Part II Roughness and Interface Structure; Roughness Kinetics and Mechanism Derived from the Analysis of AFM and STM Imaging Data; Electrodes with a Defined Mesoscopic Structure In-situ Stress Measurements at the Solid/liquid Interface Using a

Micromechanical Sensor Surface Structure and Electrochemistry: New Insight by Scanning Tunneling Microscopy; Part III Surface Modification; STM and AFM Studies of the Electrified Solid-Liquid Interface: Monolayers, Multilayers, and Organic Transformations; Scanning Probe Microscopy Studies of Molecular Redox Films; New Aspects of Iodine-modified Single-crystal Electrodes; The Growth and the Surface Properties of Polypyrrole on Single Crystal Graphite Electrodes as Studied by in-situ Electrochemical Scanning Probe Microscopy Part IV Nucleation and Electrodeposition Nucleation and Growth at Metal Electrode Surfaces; STM Studies of Electrodeposition of Strained-Layer Metallic Superlattices; Part V Oxide Layers and Corrosion; STM Studies of Thin Anodic Oxide Layer; Local Probing of Electrochemical Interfaces in Corrosion Research; Morphology and Nucleation of Ni-TiO<sub>2</sub> LIGA Layers; SPM Investigations on Oxide-covered Titanium Surfaces: Problems and Possibilities; Part VI Semiconductors; Electrochemical Surface Processing of Semiconductors at the Atomic Level In-situ Electrochemical AFM Study of Semiconductor Electrodes in Electrolyte Solutions Part VII STM and Complementary Methods; In-situ STM and Electrochemical UHV Technique: Complementary, Noncompeting Techniques; Growth Morphology and Molecular Orientation of Additives in Electrocrystallization Studied by Surface-enhanced Raman spectroscopy; Instrumental Design and Prospects for NMR-Electrochemistry; List of Contributors; List of Abbreviations; Symbol List; Subject Index

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Sommario/riassunto

A new window to local studies of interface phenomena at solid state surfaces has been opened by the development of local probe techniques such as Scanning Tunneling Microscopy (STM) or Atomic Force Microscopy (AFM) and related methods during the past fifteen years. The in-situ application of local probe methods in different systems belongs to modern nanotechnology and has two aspects: an analytical aspect and a preparative aspect. The first aspect covers the application of the local probe methods to characterize thermodynamic, structural and dynamic properties of solid state surfaces a

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2. Record Nr.	UNINA9910427048603321
Autore	Tsadok Avi
Titolo	Pro IOS testing : XCTest framework for UI and unit testing // Avi Tsadok
Pubbl/distr/stampa	Berkeley, California : , : Apress, , [2020] Â©2020
ISBN	1-4842-6382-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVII, 302 p. 90 illus.)
Disciplina	005.265
Soggetti	iOS (Electronic resource) Computer software - Testing Application software - Development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1 - Introduction for Testing -- Chapter 2 - Setting up our Infrastructure -- Chapter 3 - Writing Tests-The Basics -- Chapter 4 - Writing Tests - Advanced Techniques -- Chapter 5 - Integration Tests -- Chapter 6 - Write Testable Code -- Chapter 7 - User Interface Tests -- Chapter 8 - Cover Another Aspect of Your App - Performance Testing -- Chapter 9 - Snapshot Testing. - Chapter 10: Implement Tests in Our Daily Work Routine -- Chapter 11: Using Command Line Tools.
Sommario/riassunto	Discover what tools there are for unit testing in iOS, and how to work in a test-driven environment. This book reveals how testing is a crucial capability in any iOS developer's toolset, and a minimum requirement in iOS interviews. A few years ago, tests on mobile platforms were not very popular. It wasn't a technical constraint, more a cultural one. But these days it's a crucial skill set, especially when projects become big and hard to maintain. This book shows you how to set up a testing target in XCode unit tests. You'll learn how to write unit tests properly and incorporate concepts like spies and mocks and code coverage. You'll also learn the philosophy behind the architecture of UI tests, and how to mock network and DB layers in testing. Write unbreakable UI tests performance tests, as well. And learn the difference between

integration tests and snapshot testing. This book will show you how to maintain code that's not only bug-free but will also remain high quality over time and maintainable while you make changes and refactor during an app's life. Testing in all its aspects is the best way of maintaining iOS projects to run fast and reliably long after you've released them. Many iOS developers working today lack an understanding of the advantages of testing, and might be unfamiliar with tools that make the job easier, such as XCTest framework. With Pro iOS Testing you'll see how to develop and test apps that work and stay working for a long time. You will:

- Set up a stable testing system
- Extend an app's lifetime with testing before release
- Incorporate testing into your everyday development routine
- Write unbreakable UI tests
- performance tests
- Understand the difference between integration tests and snapshot testing.

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