1. Record Nr. UNINA9910151935403321

Autore	Bogopolski Oleg
Titolo	Introduction to Group Theory [[electronic resource] /] / Oleg Bogopolski
Pubbl/distr/stampa	Zuerich, Switzerland, : European Mathematical Society Publishing House, 2008
ISBN	3-03719-541-X
Descrizione fisica	1 online resource (187 pages)
Collana	EMS Textbooks in Mathematics (ETB)
Classificazione	20-xx
Soggetti	Groups & group theory Group theory and generalizations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book quickly introduces beginners to general group theory and then focuses on three main themes: finite group theory, including sporadic groups; combinatorial and geometric group theory, including the Bass-Serre theory of groups acting on trees; the theory of train tracks by Bestvina and Handel for automorphisms of free groups. With its many examples, exercises, and full solutions to selected exercises, this text provides a gentle introduction that is ideal for self-study and an excellent preparation for applications. A distinguished feature of the presentation is that algebraic and geometric techniques are balanced. The beautiful theory of train tracks is illustrated by two nontrivial examples. Presupposing only a basic knowledge of algebra, the book is addressed to anyone interested in group theory: from advanced undergraduate and graduate students to specialists.

2. Record Nr. UNINA9910830357303321

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)
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 SensorSurface 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 ElectrodepositionNucleation 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-Ti02 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 SolutionsPart 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

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

3.

Record Nr.	UNIORUON00323829
Autore	Esposito, Giovanni
Titolo	I pilastri del reale : Robert W. Cox : un'interpretazione dell'ordine mondiale attraverso il contributo della Teoria Critica / Giovanni Esposito
Pubbl/distr/stampa	Roma, : Il Filo, c2009
ISBN	978-88-567-0914-8
Descrizione fisica	82 p. ; 21 cm.
Disciplina	121
Soggetti	COX ROBERT W. Gnoseologia
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia