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| 1. Record Nr.           | UNISALENTO991004165019707536  |
| Autore                  | Pasini, Dino  |
| Titolo                  | Problemi di filosofia della politica / Dino Pasini  |
| Pubbl/distr/stampa      | Napoli : Jovene, 1977   |
| Descrizione fisica      | 317 p. ; 25 cm  |
| Collana                 | Pubblicazioni della Facoltà giuridica dell'Università di Napoli ; 160   |
| Disciplina              | 320.10  |
| Soggetti                | Filosofia politica  |
| Lingua di pubblicazione | Italiano  |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| 2. Record Nr.           | UNINA9910698318803321   |
| Autore                  | Erickson Robert W (Robert Warren), <1956->  |
| Titolo                  | A new family of multilevel matrix converters for wind power applications [[electronic resource] ] : final report : July 2002 - March 2006 / / R. Erickson, S. Angkititrakul, and K. Almazeedi |
| Pubbl/distr/stampa      | Golden, Colo. : , : National Renewable Energy Laboratory, , [2006]  |
| Descrizione fisica      | ix, 457 pages : digital, PDF file   |
| Altri autori (Persone)  | AngkititrakulSitthipong<br>AlmazeediKhaled  |
| Soggetti                | Power electronics - Research<br>Wind power - Research<br>Electric current converters  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Title from title screen (viewed Mar. 13, 2008).<br>"December 2006."   |

3. Record Nr.	UNINA9911020210003321
Titolo	Chemically modified electrodes // edited by Richard C. Alkire, Dieter M. Kolb, Jacek Lipkowski, and Philip N. Ross
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2009
ISBN	1-282-68358-6 9786612683589 3-527-62705-7 3-527-62706-5
Descrizione fisica	1 online resource (281 p.)
Collana	Advances in electrochemical science and engineering ; ; 11
Altri autori (Persone)	AlkireR. C. <1941-> KolbDieter M LipkowskiJacek RossP. N (Philip N.)
Disciplina	541.3724 660.297
Soggetti	Electrodes Electrochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Advances in Electrochemical Science and Engineering; Contents; Preface; List of Contributors; 1 Nanostructured Electrodes with Unique Properties for Biological and Other Applications; 1.1 Introduction; 1.2 High Surface Area Electrodes; 1.2.1 Attachment of Nanoparticles onto Electrodes; 1.2.2 Templating using Membranes; 1.2.3 Templating using Lyotropic Liquid Crystals; 1.2.4 Colloidal Templates; 1.3 Catalytic Properties; 1.4 Exploiting Nanoscale Control to Interface Electrodes with Biomolecules; 1.4.1 Plugging Nanomaterials into Proteins - Nanoparticles 1.4.2 Plugging Nanomaterials into Proteins - Carbon Nanotubes 1.4.3 Plugging Nanomaterials into Proteins - Molecular Wires; 1.4.3.1 Nanostructuring Electrodes to Achieve Intimate Connectivity with Biomolecules; 1.4.3.2 Nanostructuring Electrodes using Rigid Molecules; 1.4.3.3 The use of Molecular Wires in Electrochemistry such that Long-Distance Electron Transfer can be Exploited for a Variety of

Applications; 1.5 Switchable Surfaces; 1.5.1 Switching Properties of Monolayer Systems; 1.5.2 Control and Enhancement of Electrochemical Reactions using Magnetic Nanostructures on Electrodes  
1.6 ConclusionsReferences; 2 Electrochemically Active Polyelectrolyte-Modified Electrodes; 2.1 Introduction; 2.1.1 Chemically Modified Electrodes; 2.1.2 Redox Hydrogels; 2.1.3 Redox Polyelectrolyte Monolayers; 2.1.4 Redox Polymer Brushes and Grafted DNA; 2.1.5 Layer-by-Layer Polyelectrolyte Multilayers; 2.2 Structure; 2.2.1 Polyelectrolyte Interpenetration; 2.2.2 Compensation of Polyelectrolyte Charges; 2.2.3 Film Inner Structure; 2.2.4 Effect of the Assembly pH; 2.2.5 Theoretical Description; 2.3 Electrochemical Response; 2.3.1 Ideal Response; 2.3.2 Peak Position and Donnan Potential  
2.3.3 Coupling Between the Acid-Base and Redox Equilibria2.3.4 Peak Width; 2.3.5 Nonreversible Electrochemistry: Charge Transport; 2.4 Dynamics of Solvent and Ion Exchange; 2.4.1 Ion Exchange; 2.4.2 Solvent Exchange; 2.4.3 Specific Ionic Effects; 2.4.4 Break-In; 2.5 Molecular Description of Redox Polyelectrolyte-Modified Electrodes; 2.5.1 Formulation of the Molecular Theory; 2.5.2 Comparison with Phenomenological Models, Advantages and Limitations; 2.6 Applications; 2.6.1 Amperometric Enzymatic Electrodes; 2.6.2 Electrochromic Devices; 2.7 Conclusions; References  
3 Electrochemistry on Carbon-Nanotube-Modified Surfaces3.1 Introduction; 3.2 Structure and Properties of Carbon Nanotubes; 3.2.1 Structure and Electronic Properties; 3.2.2 Chemical Properties; 3.2.3 Electrochemical Properties; 3.3 Towards the Design of CNT-Modified Electrodes; 3.3.1 Synthesis of CNTs; 3.3.2 CNT Purification Methods; 3.3.3 Chemical and Biochemical Functionalization; 3.3.3.1 Covalent Modification; 3.3.3.2 Noncovalent Modification; 3.3.3.3 Chemical Modification for CNT Sorting; 3.3.3.4 Chemical Doping, Intercalation and Artificial Defects  
3.3.4 CNT Deposition on Electrode Surfaces

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Sommario/riassunto

With contributions from an international group of expert authors, this book includes the latest trends in tailoring interfacial properties electrochemically. The chapters cover various organic and inorganic compounds, with applications ranging from electrochemistry to nanotechnology and biology. Of interest to physical, surface and electrochemists, materials scientists and physicists.

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