1. Record Nr. UNISA996395991703316

| | |
|---|---|
| Titolo | Die Sabbathi 26. April. 1645 [[electronic resource]] : It is this day ordained and declared by the Lords and Commons in Parliament assembled, that no person be permitted to preach who is not ordained a minister, . |
| Pubbl/distr/stampa | London, : printed for John Wright at the Kings Head in the Old Bayley, 1645 |
| Descrizione fisica | 1 sheet ([1] p.) |
| Soggetti | Preaching - Great Britain<br>Great Britain History Civil War, 1642-1649 Early works to 1800 |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Title from heading and first lines of text.<br>Signed: Ioh. Brown Cler. Parliamentorum.<br>Reproduction of the original in the British Library. |
| Sommario/riassunto | eebo-0018 |

2. Record Nr. UNINA9910829937803321

| | |
|---|---|
| Titolo | Correlation spectroscopy of surfaces, thin films, and nanostructures [[electronic resource] /] / edited by Jamal Berakdar, Jurgen Kirschner |
| Pubbl/distr/stampa | Weinheim, : Wiley-VCH, c2004 |
| ISBN | 1-280-52111-2<br>9786610521111<br>3-527-60342-5<br>3-527-60649-1 |
| Descrizione fisica | 1 online resource (258 p.) |
| Altri autori (Persone) | BerakdarJ. <1964-><br>KirschnerJ <1945-> (Jurgen) |
| Disciplina | 530.4/17<br>535.84 |
| Soggetti | Surfaces (Physics)<br>Nanostructures<br>Thin films<br>Spectrum analysis |
| 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 | Correlation Spectroscopy of Surfaces, Thin Films, and Nanostructures; Contents; Preface; List of Contributors; 1 A First-Principles Scheme for Calculating the Electronic Structure of Strongly Correlated Materials: GW+DMFT; 1.1 Introduction; 1.2 The GW Approximation; 1.2.1 Theory; 1.2.2 The GW Approximation in Practice; 1.3 Dynamical Mean Field Theory; 1.3.1 DMFT in Practice; 1.4 GW+DMFT; 1.4.1 Simplified Implementation of GW+DMFT and Application to Ferromagnetic Nickel; 1.5 Conclusions; References; 2 A Many-body Approach to the Electronic and Optical Properties of Copper and Silver<br>2.1 Introduction2.2 Quasiparticle Electronic Structure of Copper; 2.3 The Plasmon Resonance of Silver; 2.4 Dynamical Excitonic Effects in Metals; 2.5 Conclusions; References; 3 Correlation Spectroscopy of Nano-size Materials; 3.1 Introduction; 3.2 Generalities; 3.3 Excitations in Finite Systems: Role of the Electron-Electron Interaction; 3.3.1 Formal Development; 3.4 Results and Discussion; 3.5 Conclusions; |

References; 4 Electron-Electron Coincidence Studies on Atomic Targets: A Review of (e,2e) and (e,3e) Experiments; 4.1 Introduction; 4.2 Structure Studies; 4.3 Dynamics Studies
4.3.1 The Optical Limit4.3.2 Dynamics Studies at Intermediate Energies and Intermediate Momentum Transfer; 4.4 Conclusion; References; 5 Studying the Details of the Electron-Electron Interaction in Solids and Surfaces; 5.1 Introduction; 5.2 General Considerations; 5.3 Results and Interpretations; 5.4 Conclusions; References; 6 Two-Electron Spectroscopy Versus Single-Electron Spectroscopy for Studying Secondary Emission from Surfaces; 6.1 Introduction; 6.2 Experimental Details of the Time-of-Flight (e,2e) Spectroscopy in Reflection Mode; 6.2.1 Experimental Set-Up
6.2.2 Combination of Time-of-Flight Energy Measurements and Coincidence Technique6.2.3 Data Processing; 6.3 Experimental Results and Discussion; 6.3.1 LiF Film on Si(100); 6.3.2 Single Crystal of W (110); 6.3.3 Single Crystal of Si(001); 6.4 Conclusions; References; 7 EMS Measurement of the Valence Spectral Function of Silicon - A Test of Many-body Theory; 7.1 Introduction; 7.2 Experimental Details; 7.3 Theory; 7.3.1 Independent Particle Approximation; 7.3.2 Electron Correlation Models; 7.4 Results and Discussions; 7.4.1 Band Structure; 7.4.2 Diffraction Effects; 7.4.3 Many-body Effects
7.5 ConclusionsReferences; 8 Recent Results from (, e) and Compton Spectroscopy; 8.1 Introduction; 8.2 Experiment; 8.3 Results and Discussion; 8.3.1 Graphite; 8.3.2 Fullerene; 8.3.3 Cu-Ni Alloy; 8.4 Lifetime Effects in Compton Scattering; 8.5 Summary; References; 9 Theory of (e,2e) Spectroscopy from Ferromagnetic Surfaces; 9.1 Introduction; 9.2 Concepts and Formalism; 9.3 Spin and Spatial Selection Rules; 9.4 Numerical Results for Fe(110); References; 10 Ab-initio Calculations of Charge Exchange in Ion-surface Collisions: An Embedded-cluster Approach; 10.1 Introduction
10.2 Convergence of the Density of States as a Function of Cluster Size

Sommario/riassunto

Here, leading scientists present an overview of the most modern experimental and theoretical methods for studying electronic correlations on surfaces, in thin films and in nanostructures. In particular, they describe in detail coincidence techniques for studying many-particle correlations whilecritically examining the informational content of such processes from a theoretical point viewpoint. Furthermore, the book considers the current state of incorporating many-body effects into theoretical approaches.Covered topics:-Auger-electron photoelectron coincidence experiments an

3. Record Nr. UNINA9910959260303321

| | |
|---|---|
| Titolo | Molybdenum : characteristics, production and applications / / Matias Ortiz and Thiago Herrera, editors |
| Pubbl/distr/stampa | New York, : Nova Science Publishers, c2012 |
| ISBN | 1-61470-514-3 |
| Edizione | [1st ed.] |
| Descrizione fisica | 1 online resource (280 p.) |
| Collana | Chemistry research and applications |
| Altri autori (Persone) | OrtizMatias<br>HerreraThiago |
| Disciplina | 620.1/8934 |
| Soggetti | Molybdenum |
| 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 | Intro -- MOLYBDENUM -- MOLYBDENUM -- CONTENTS -- PREFACE -- ELECTROCATALYSIS OF MOLYBDENUM-CONTAINING SUBSTRATES FOR FUEL CELL APPLICATIONS -- ABSTRACT -- 1. INTRODUCTION -- 2. THE ELECTROCHEMICAL DEPOSITION OF MOLYBDENUM ON PLATINUM SURFACES AND ITS EFFECT TOWARDS METHANOL AND CARBON MONOXIDE ELECTROOXIDATIONS -- 3. MOLYBDENUM FREE SPONTANEOUS DEPOSITION AND POTENTIOSTATIC OR POTENTIODYNAMIC ELECTRODEPOSITION -- 4. ELECTROCATALYTIC PERFORMANCE OF MOLYBDENUM SPECIES ON PLATINUM TOWARDS METHANOL ELECTROOXIDATION -- 5. MOLYBDENUM INTERACTION WITH MODIFIED COLUMNAR STRUCTURED PLATINUM AND METHANOL ELECTROOXIDATION -- 6. MOLYBDENUM INTERACTION WITH CARBON-SUPPORTED CATALYSTS AND METHANOL ELECTROOXIDATION -- 6.1. The Electrochemical Responses of Molybdenum/platinum Carbon-supported Catalysts -- 6.2. The Electrochemical Oxidation of Methanol on Molybdenum/platinum Carbon-Supported Catalysts -- 7. ABOUT THE DIFFERENT METHODOLOGIES AND SURFACE COMPOSITIONS OF PLATINUM/MOLYBDENUM ELECTRODES AND THEIR EFFECTS TOWARDS SMALL ORGANIC MOLECULES ELECTROOXIDATION -- 7.2. On the Different Methodologies and Compositions of Molybdenum/ Platinum Surfaces -- 7.2. On the Electronic and Electrochemical Effects of Molybdenum Electrocatalytic Activity on Platinum Surfaces -- ACKNOWLEDGMENTS -- REFERENCES -- MOLYBDENUM DISILICIDES: |

DURING THE SOLVOTHERMAL SYNTHESIS -- 4. ELECTROCHEMICAL CODEPOSITION OF MOO3 PARTICLES IN A METALLIC MATRIX -- 5. WEAR BEHAVIOUR OF NI-MOO3 COMPOSITE COATINGS -- 6. LUBRICATING PROPERTIES OF MOO3 -- 7. HETEROGENEOUS OXIDE PARTICLES OF CORE-SHELL TYPE FOR PREPARATION OF METAL-MATRIX COMPOSITES -- CONCLUSIONS -- ACKNOWLEDGEMENT -- REFERENCES -- MOLYBDENUM COMPOUNDS AS EFFICIENT ADDITIVES TO LUBRICANTS -- INTRODUCTION -- 1. SULFUR CONTAINING MOLYBDENUM COMPOUNDS IN FRICTION AND WEAR PROCESSES -- 1.2. Molybdenum Sulfides -- 1.2. Oil Soluble Sulfur Containing Molybdenum Compounds -- 2. MOLYBDENUM COMPLEXES AS ANTIOXIDANTS -- 3. ECOLOGICAL PROBLEMS OF USING OF LUBRICATING OILS ADDITIVES.
4. TRIBOLOGICALLY ACTIVE NANOPARTICLES OF MOLYBDENUM SULFIDES -- CONCLUSIONS -- REFERENCES -- THE ROLE OF MOLYBDENUM AS CATALYST PROMOTER IN THE GROWTH OF CARBON NANOTUBES -- ABSTRACT -- 1. INTRODUCTION -- 2. MOLYBDENUM AS A CATALYST PROMOTER FOR CNT FORMATION -- 2.1. Mo-promoted Co Based Catalysts -- 2.2. Mo-promoted Fe Based Catalysts -- 2.3. Mo-promoted Ni Based Catalysts -- 2.4. Mo Based Catalyst -- 3. THE ROLE OF MOLYBDENUM AS A PROMOTING AGENT -- CONCLUSIONS -- ACKNOWLEDGMENTS -- REFERENCES -- V2O5-MOO3 SYSTEM: ITS PHYSICOCHEMICAL AND CATALYTIC PROPERTIES -- ABSTRACT -- 1. INTRODUCTION -- 2. V2O5-MOO3 SYSTEM -- 3. V2O5-MOO3 CATALYSTS, SUPPORTED AND PROMOTED -- 4. THE INTERACTIONS OF V2O5-MOO3 CATALYSTS WITH OXYGEN AND BENZENE -- 5. KIETICS AND MECHANISM OF BENZENE OXIDATION ON V2O5-MOO3 CATALYSTS -- REFERENCES -- TRIBOLOGY OF MOS2 NANOPARTICLES IN THE AMBIENT AND IN LIQUID SUSPENSION -- ABSTRACT -- 1. INTRODUCTION -- 2. MECHANICS OF DEFORMATION UNDER TRACTION AND FRICTION: LATERAL FORCE MICROSCOPY AND CONTINUUM MODELING -- 2.1. Lateral Force Microscopy of Single MoS2 Particles -- 2.2. Elastic Analysis in Ambient Condition -- Groove Depth Estimate -- 2.3. Rigid Plastic Analysis -- Groove Depth Estimate -- 2.4. Wear Analysis -- 3. USE OF MOS2 PARTICLES TO MODULATE STEEL ON STEEL TRIBOLOGY - SOME GENERAL ISSUES -- 3.1. Microtribology of Sprayed MoS2 Particles in Ambient Condition -- 3.1.1. Investigation of the Tribofilm -- 3.1.2. Building of the Tribofilm: Ball-On-Disc Sliding of Sprayed Particles in the Ambient Condition -- 3.2. Microtribology of MoS2 Particles in Oil Suspension -- 3.2.1. Effect of Particle Size/Agglomeration on Friction -- 4. RAMAN SPECTRAL ANALYSIS OF THE TRANSFER TRIBO-FILM BETWEEN THE CONTACTS -- 5. LUBRICATION MECHANISMS OF MOS2 NANOPARTICLES - A SUMMARY -- CONCLUSION -- REFERENCES -- INDEX.

Sommario/riassunto

In this book, the authors present current research in the study of the characteristics, production and application of molybdenum. Topics discussed include the electrocatalysis of molybdenum containing substrates for fuel cell applications; morphology-controllable solvothermal synthesis of nano- and microcystals of molybdenum trioxide; molybdenum compounds as efficient additives to lubricants; molybdenum as a catalyst promoter in the growth of carbon nanotubes and the physico-chemical and catalytic properties of V2O5-MoO3.