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Nota di contenuto	Intro -- ELECTROANALYTICAL CHEMISTRY: NEW RESEARCH -- CONTENTS -- PREFACE -- ELECTRODES BASED ON METALLOPHTHALOCYANINES INTEGRATED WITH CARBON NANOTUBES: POTENTIAL HYBRIDS FOR ENHANCING ELECTRON TRANSPORT -- Abstract -- 1. Introduction -- 2. Electrode Modification Strategies -- 3. Impact of CNTs on Heterogeneous Electron Transport -- 4. Future Trends and Conclusion -- References -- CLATHRATE HYDRATE CRYSTALLIZATION FOR CLEAN ENERGY AND ENVIRONMENTAL TECHNOLOGIES -- Abstract -- Introduction -- Clathrate Hydrates -- Clean Energy Technologies Based on Hydrates -- Natural Gas Transport and Storage -- Methane Hydrate Properties -- Gas Storage Potential in Hydrate -- The hydrate phase equilibria and gas storage capacity are constrained by the t -- Hydrate Storage and Decomposition -- Tuning Clathrate Hydrates -- Commercialization of Hydrate Technology for Gas Storage Application -- 2. CO2 Capture from Treated Flue Gas (CO2/N2/O2) and Fuel Gas (CO2/H2) Gas Mixtures -- 3. Hydrogen Storage -- 4. Flow Assurance in Hydrocarbon Pipelines -- 5. Recovery of Methane from In-situ Methane Hydrate with Carbon Dioxide Injection -- 6. Recovery of Energy from Gas Hydrates. -- 7. Relationship of Hydrates with Climate Change. -- 8. Other Applications. -- Concluding Remarks -- References -- CORROSION RESEARCH FRONTIERS. ATMOSPHERIC CORROSION IN TROPICAL CLIMATE. ON THE CONCEPT OF TIME OF WETNESS AND ITS INTERACTION WITH CONTAMINANTS DEPOSITION -- Abstract -- Introduction -- Climate of Cuba and the

Yucatán Peninsula -- Time of Wetness (TOW) and ISO 9223 Definition.
-- Time and TOW-ISO. -- Indoor Humidity -- TOW at Different
Exposure Conditions -- Comparison of Air Temperature, Relative
Humidity, TOW-ISO, Corrosion of Steel and Deposition of Contaminants
at Different Exposure Conditions. -- TOW-ISO and Rain -- Corrosion in
Tropical Coastal Atmospheres. Role of TOW-ISO.
TOW and Corrosion Products of Steel. -- Conclusion --
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II. The Hypothesis of Randomness [11], and Testing Independence
Against Trend [12] -- III. Discussion -- IV. Conclusion --
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PREPARE MULTIBLOCK COPOLYMERS WITH A CONTROLLABLE CHAIN
SEQUENCE AND BLOCK LENGTH -- Abstract -- Introduction -- 1. End-
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Functionalization of Block Copolymer with Photosensitive Groups -- 3.
End-Functionalization of Block Copolymer with 1,4-Dibromobutane --
4. End-Functionalization of Block Copolymer with Carbon Dioxide --
Conclusion -- Acknowledgment -- References -- INDEX.

Sommario/riassunto

The field of electroanalytical chemistry is the field of electrochemistry that utilises the relationship between chemical phenomena which involve charge transfer and the electrical properties that accompany these phenomena for some analytical determination. This book presents research in this field.
