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Nota di contenuto	""GRAPHENE AND GRAPHITE MATERIALS""; ""GRAPHENE AND GRAPHITE MATERIALS""; ""CONTENTS""; ""PREFACE""; ""RESEARCH AND REVIEW STUDIES""; ""ELECTROANALYSIS OF SOME BIOMOLECULES AT THE ELECTRODE MODIFIED BY CARBON NANO TUBES""; ""Abstract""; ""1. Introduction""; ""2. Fabrication of the Carbon Nano tubes Modified Electrodes""; ""3. Electrocatalytic Oxidation of Dopamine, Ascorbic Acid, and Nadph at the Swnts/Gc Electrode""; ""4. Direct Electron Transfer Reaction of Proteins/Enzymes at Swnts/Gc Electrode""; ""4.1. Direct ElectronTransfer of Heme Containing Proteins/Enzymes"" ""4.2. Direct Electron Transfer of Glucose Oxidase"" ""4.3. Direct Electron Transfer of Ferredoxin""; ""5. Rtils/Swnts Nanocomposites and their Application to the Direct Electrochemicstry of Heme Containing Proteins/Enzymes""; ""6. Conclusion""; ""Acknowledgments""; ""References""; ""SERENDIPITY IN THE STUDY OF THE GRAPHENE CARBON-LITHIUM REACTION SYSTEMS""; ""Abstract""; ""1. Introduction""; ""2. Under-Potential Deposition (UPD) of Li on the Carbon Surface""; ""2.1. Introduction""; ""2.2. Newly Found Phenomenon""; ""2.3. In Case of Activated Carbon"" ""3. Mass Transfer of Li in Metal at Room Temperature"" ""3.1. Introduction""; ""3.2. Experimental""; ""3.3. Results and Discussion""; ""4. Diffusion Coefficient of Li in Graphitized Carbon""; ""4.1.

Introduction"; "4.2. Experimental"; "4.3. Results and Discussion";  
"4.4. Determination of Chemical Diffusion Coefficient of Li in Carbon";  
"5. Characterization of the Decomposition Reaction of Propylene  
Carbonate on A Graphite Anode"; "5.1. Introduction"; "5.2.  
Experiment and Results"; "6. Postulate and Verification of the  
Presence of Nano-holes at the Graphene Layer"  
"6.1. Introduction"; "6.2. Proposed Model on the Nano-hole"; "6.3.  
Trying to Find Out the Nano-sized Holes on Graphite Material"; "7.  
Propose of a Novel Method of Surface Activation for Improving the Li  
Insertion/Extraction Reaction"; "7.1. Introduction"; "7.2.  
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Oxidation"; "7.3.2. Metal Film Deposition Followed by Heating in  
Vacuum"; "8. Electrochemical Properties of SEI For Li  
Insertion/Extraction"; "8.1. Introduction"; "8.2. Experimental"; "8.3.  
Results and Discussion"; "References"  
"MOLECULE-SURFACE BINDING ENERGIES FROM MOLECULAR  
MECHANICS: NUCLEOBASES ON GRAPHENE" "Abstract";  
"Introduction"; "Porous-Low Coverage"; "Rough Surface-Low  
Coverage"; "Smooth Surface a€? Low Coverage"; "Monolayer  
Coverage of Organic Molecules"; "Theory"; "Analysis and Results";  
"Discussion"; "Conclusion"; "Acknowledgment"; "References";  
"LUBRICITY OF GRAPHITE ADDITIVES IN POLYIMIDE COMPOSITES AT  
VARIABLE HUMIDITY"; "Abstract"; "1. Introduction"; "2.  
Experimentals Details"; "2.1. Test Materials"; "2.2. Tribological  
Testing Conditions"  
"2.3. Further Analysis and Characterisation"

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