

1. Record Nr.	UNINA9910465411403321
Titolo	New nanotechnology developments [[electronic resource] /] / Armando Barranon, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-61761-827-6
Descrizione fisica	1 online resource (219 p.)
Collana	Nanotechnology science and technology series
Altri autori (Persone)	BarranonArmando
Disciplina	620/.5
Soggetti	Nanotechnology Nanostructured materials Electronic books.
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	<p>""1.2.2. Social Perceptions About Science and Researchers """"1.2.3. The Role of Educators and Nanoscientists ""; ""2. PROPOSAL ""; ""3. CONCLUSIONS""; ""ACKNOWLEDGEMENT ""; ""REFERENCES "";</p> <p>""PRESENTATION OF SOME CONCEPTS FOR THE UNDERSTANDING OF THE NANOWORLD""; ""ABSTRACT ""; ""REFERENCES ""; ""RESUMES OF THE AUTHORS""; ""CENTERS OF EDUCATIONAL EXCELLENCE IN NANOTECHNOLOGY: THE PROPOSED WORLD BANK SCIENTIFIC MILLENNIUM INITIATIVES AND NANOTECHNOLOGY IN LATIN AMERICA "";</p> <p>""ABSTRACT ""; ""1. NANOTECHNOLOGY AND THE QUESTION OF DEVELOPMENT ""</p> <p>""2. WORLD BANK MILLENNIUM PROJECTS AND NANOTECHNOLOGY IN LATIN AMERICA """"3. SUSTAINABILITY OF THE CENTRES OF EXCELLENCE AS CRUCIBLES FOR DEVELOPMENT ""; ""REFERENCES ""; ""ELEMENTAL IDENTIFICATION BY X-RAY FLUORESCENCE USING A PORTABLE PYRO-ELECTRIC GENERATOR AND A CDT-E DETECTOR FOR AN ADVANCED LABORATORY COURSE""; ""ABSTRACT ""; ""RESUMEN""; ""INTRODUCTION ""; ""THEORY ""; ""EXPERIMENTAL SETUP ""; ""RESULTS AND DISCUSSION ""; ""CONCLUSIONS ""; ""REFERENCES ""; ""PROPERTIES OF THE NEAR FIELD PRODUCED BY A CIRCULAR NANOAPERTURE USING THE BETHE FORMULATION ""; ""ABSTRACT ""</p> <p>""1. INTRODUCTION """"2. THEORETICAL BASIS""; ""3. RESULTS OBTAINED ""; ""4. CONCLUSIONS ""; ""REFERENCES ""; ""TEACHING</p>

NANOSTRUCTURES USING THE SIMPLE INFINITE POTENTIAL WELL MODEL  
"; ""ABSTRACT ""; ""INTRODUCTION ""; ""THEORY ""; ""CONCLUSION "";  
""ABOUT THE AUTHORS ""; ""REFERENCES ""; ""SYNTHESIS AND  
CHARACTERIZATION OF PT AND PT-AU NANOPARTICLES FOR  
CATALYSIS AND PEM FUEL CELLS APPLICATIONS ""; ""ABSTRACT""; ""1.  
INTRODUCTION ""; ""2. EXPERIMENTAL ""; ""2. A. Synthesis of Pt  
Nanoparticles ""; ""2. B. Synthesis of Bimetal Pt-Au Nanoparticles ""  
""2. C. Physicochemical Characterization """"3. RESULTS AND  
DISCUSSION""; ""4. CONCLUSIONS "", ""ACKNOWLEDGEMENTS "";  
""REFERENCES""; ""ENHANCED ADSORPTION OF HEAVY METALS BY  
NANOSTRUCTURED COMPOSITES BASED UPON DENDRIMER-  
FUNCTIONALIZED MCM-41 ""; ""ABSTRACT ""; ""INTRODUCTION "";  
""MATERIALS AND METHODS ""; ""Materials ""; ""Methods "";  
""Preparation of Arsenate and Chromate Solutions ""; ""MCM-41 Surface  
Modification ""; ""Arsenic and Chromium Adsorption Isotherms "";  
""Scanning Electron Microscopy (SEM) ""; ""Surface Area and Pore  
Volume ""; ""X-Ray Diffraction ""  
""Infrared Spectroscopy ""

---