

Librería
Bonilla y Asociados
desde 1950



Título: Annual Review Of Nanoresearch. Volume 2

Autor: Cao, Guozhong/ Brinker, C Jeffrey

Precio: \$1540.00

Editorial:

Año: 2008

Tema:

Edición: 1ª

Sinopsis

ISBN: 9789812790231

The second volume of the Annual Review of Nano Research focuses mainly on nanofabrication, nanomaterials and nanostructures, and energy application of nanomaterials. All of the review chapters are contributed by well-published scientists and bring the most recent advancements in selected topics to the readers. This review volume will perfectly serve dual purposes: either as an excellent introduction to scientists whose expertise lies in different fields but who are interested in learning about nanotechnology, or as a quick reference for experts active in the field of nanotechnology and nanoscience.

Contents:

Optical and Dynamic Properties of Undoped and Doped Semiconductor Nanostructures (J Z Zhang & C D Grant)

Nanostructure Presented Chemiluminescence and Electrochemiluminescence (Z-P Wang & J Li)

Excitons in Nanoscale Systems: Fundamentals and Applications (G D Scholes & G Rumbles)

Silicon Nanocrystal Assemblies: Universal Spin-Flip Activators? (D Kovalev & M Fujii)

DNA-Templated Nanowires: Context, Fabrication, Properties and Applications (Q Gu & D T Haynie)

Solution-Based Synthesis of Oriented One-Dimensional Nanomaterials (J Liu & G-Z Cao)

One- and Two-Dimensional Assemblies of Nanoparticles: Mechanisms of Formation and Functionality (N A Kotov & Z-Y Tang)

Synthesis of Porous Polymers Using Supercritical Carbon Dioxide (C D Wood & A I Cooper)

Hierarchical Macro-Mesoporous Oxides and Carbons: Towards New and More Efficient

Hierarchical Catalysis (A Léonard et al.)

Environmental Application of Nanotechnology (G A Mansoori et al.)

Nanostructured Ionic and Mixed Conducting Oxides (X Guo & S Kim)

Nanostructured Cathode Materials for Advanced Li-Ion Batteries (Y Wang & G-Z Cao)

Nanostructured Materials for Solar Cells (T-Y Zeng et al.)