

Nanomaterials And Nanochemistry

[DOWNLOAD HERE](#)

Size Effects on Structure and Morphology of Free or Supported Nanoparticles.- Structure and Phase Transitions in Nanocrystals.- Thermodynamics and Solid-Liquid Transitions.- Modelling and Simulating the Dynamics of Nano-Objects.- Magnetism in Nanomaterials.- Electronic Structure in Clusters and Nanoparticles.- Optical Properties of Metallic Nanoparticles.- Mechanical and Nanomechanical Properties.- Superplasticity.- Reactivity of Metal Nanoparticles.- Inverse Systems - Nanoporous Solids.- Inverse Systems - Confined Fluids: Phase Diagram and Metastability.- Supramolecular Chemistry: Applications and Prospects.- Nanocomposites: The End of Compromise.- Specific Features of Nanoscale Growth.- Gas Phase Synthesis of Nanopowders.- Synthesis of Nanocomposite Powders by Gas-Solid Reaction and by Precipitation.- Colloidal Methods and Shape Anisotropy.- Mechanical Milling.- Supercritical Fluids.- Bulk Nanostructured Materials Obtained by Powder Sintering.- Self-Assembly of Nanomaterials at Macroscopic Scales.- Assemblies of Magnetic Nanoparticles.- Nanostructured Coatings.- Dispersion in Solids.- Nanoporous Media.- Molecular Imprinting.- Electronics and Electromagnetism.- Optics.- Mechanics.- Biology and the Environment. EAN/ISBN : 9783540729938
Publisher(s): Springer, Berlin Format: ePub/PDF Author(s): Brechignac, Catherine - Houdy, Philippe - Lahmani, Marcel

[DOWNLOAD HERE](#)

Similar manuals: