



Nanotechnology: Nanomaterials and Nanostructures (Volume 4)

By JN Govil, Naveen Kumar Navani and Shishir Sinha

Stadium Press LLC / Researchco Books & Periodicals Pvt. Ltd., Houston, Texas, 2013. Hardcover. Condition: New. This volume aims to review the fundamentals and technical aspects in synthesis, fabrication and processing of nanostructures and nanomaterials so as to present the readers an organized and rational portrait of the field. The volume is written with the intention to hand out as a general introduction to people who are naive to this field and for experts hunting for information in other sub-fields. This volume gives an overview of the main concept of classification, preparation and relationship of structure to the application of polymer nanocomposites. Also the book discusses the mechanical analysis of Single Walled Carbon Nanotubes (SWCNT) and their applications. One of the chapter talks about novel approaches for the synthesis of core shell materials using different surface agents and copolymerisation methods. A research overview of preparation, optical and physiochemical properties of metallic (gold, silver, platinum or combination of these metals) and its application in sensing, environmental and energy has been presented in this volume. Recent trends in template synthesis of porous organic polymers via direct or indirect method, physical characterisation are also discussed with its application. This volume also presents a...

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