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Nota di contenuto

Nanomaterials; Editor's Note; Table of Contents; Luminescence of II-VI Semiconductor Nanoparticles; Oxide Nanomaterials and their Applications as a Memristor; Nano Electronics: A New Era of Devices; Progress in Plasmonic Enhanced Bulk Heterojunction Organic/Polymer Solar Cells; Carbon Nanotubes as Drug Delivery Vehicles; Potential of Nanomaterials as Movers and Packers for Drug Molecules; Photoluminescence in a Novel Aldo-Keto Synthesized YPO₄:Eu³⁺ Nanophosphor; Recent Advances in the Synthesis and Characterization of Chalcogenide Nanoparticles; Keywords Index; Authors Index

Sommario/riassunto

The present volume ""Nanomaterials: Basic Concepts and Applications"", as the title suggests, deals with basic concepts and applications of anomaterials, a buzz word in the modern world of Science and Technology. Because of advanced characterization and new fabrication techniques, nanomaterials are now central to multiple disciplines, including materials science, chemistry, physics, engineering and medicine. This special volume under Solid State Phenomena series will present an overview of recent research developments, including synthesis, characterization, and applications, in Nanoelectronics
