



BFO, Co-doped BFO & BFO/rGO Synthesis, Characterization & Applications

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | High Performance Photocatalyst Under Sunlight & Electrochemical Studies of BFO, Co-doped BFO & BFO/rGO Nanocomposite | Over a decade Multiferroics have been at the cutting edge of research and development in materials for Energy conversion and Energy Storage devices. At the same time, nanotechnology advancements have assumed an increasing importance. Progress has benefited in nanoscale Multiferroelectrics, which are at a more mature stage. Multifunctionality and nanoscaling are widely acknowledged at present as the keys to the miniaturization of solid-state electronics, viz. Supercapacitors. The book is devised to stress, and take full advantage of, the synergies between nanotechnology and multiferroics. It covers nanostructured material ; Bismuth ferrite, cobalt doped bismuth ferrite & Bismuth ferrite-Graphene nanocompsite. This book covers new ethylene glycol based synthesis of these multiferroic nanomaterials via sol-gel technique. Various characterization techniques have been used to characterize the materials and detailed analysis of the characterizations have been discussed in the book. Applications of these multiferroics nanomaterials in supercapacitors and as a photocatalyst under sun light have been explored in this book. | Format: Paperback | Language/Sprache: english | 88 pp.



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