

Diverse Applications of Organic-Inorganic Nanocomposites: Emerging Research and Opportunities

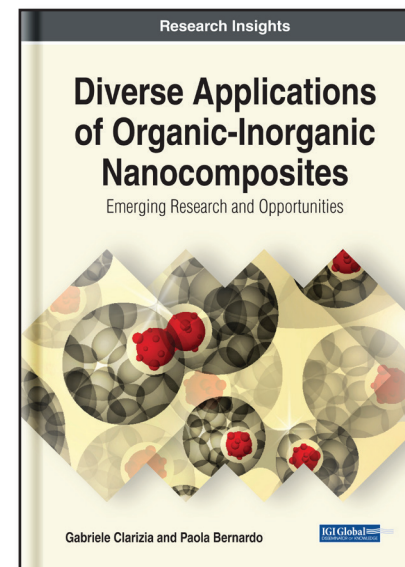
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Description:

Nanocomposite materials are multiphase materials where the interactions between the different components are enhanced by their intimate contact. Indeed, this emerging class of innovative materials guarantees excellent macroscopic properties by taking advantage of the peculiar characteristics that nanometer-sized fillers give to a suitable matrix compared to those obtainable with the same fillers at micrometric dimensions. These innovative materials improve and extend the range of desirable properties.

Diverse Applications of Organic-Inorganic Nanocomposites: Emerging Research and Opportunities is a pivotal reference source that provides vital research on the application of organic-inorganic nanocomposite materials within various professional disciplines and in different human activities. While highlighting topics such as photocatalysis, atomistic modeling, and membrane separation, this publication explores the strengths and weaknesses of nanocomposites as well as future concepts and devices. This book is ideally designed for chemists, biologists, engineers, researchers, government professionals, academicians, and postgraduate students.



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