Special Issue

Surface Functionalization on Nanostructured Materials for Multiple Application

Message from the Guest Editors

Luminescent lanthanides nanomaterials have been applied widely in our daily life because of their leading role in material science and biomedical sciences. Efforts are ongoing to enhance luminescence efficiency by manipulating the structure of the nanostructured materials. Core-shell formation is an effective method to improve the solubility character of materials in aqueous solvents and enhance the quantum yield of luminescent materials. This Special Issue on "Surface Functionalization on Nanostructured Materials for Multiple Application" aims to assess the current applications of nanomaterials in drug delivery systems, biotechnology, optoelectronics, photonics, solid-state lasers, and biomedical-imaging-related fields. It represents an opportunity to promote mutual interaction, information dissemination, and exchange between researchers and hence to promote fruitful collaborations on advanced, state-of-the-art luminescence nanomaterials and recent developments, as well as nanomaterials to be used for electrochemical biosensing applications.

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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