Special Issue

Advances in Stimuli-Responsive Nanomaterials: 3rd Edition

Message from the Guest Editors

We invite researchers from academia, industry, and research institutions to submit their original research, review articles, and perspectives on various aspects of the research and development of smart stimuli-responsive nanomaterials and functional devices. Potential topics of interest for this Special Issue include, but are not limited to:

- the design and synthesis of novel nanomaterials or nanocomposites with stimuli-responsive properties
- characterization, and analysis of the working principle and regulating mechanism of stimuli-responsive activities or performances
- the development of new smart devices based on stimuli-responsive nanomaterials

We look forward to receiving your contributions. See more information in https://www.mdpi.com/si/240201

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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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