Special Issue

Advanced Functional Nanomaterials: Design, Synthesis and Applications

Message from the Guest Editor

This Special Issue plans to showcase a collection of high-quality research articles focused on new developments in design, synthesis, and applications of advanced functional nanomaterials for the study of material sciences, including nanotechnology, chemistry, physics, biology, and so on. Researchers are welcome to contribute to all areas of nanomaterials including, but not limited to:

- Synthesis of nanomaterials through novel methods Design and synthesis of molecular precursors for nanomaterials
- Colloidal synthesis of 0D nanoparticles (metal, oxides, sulfides, semiconductors, and so on)
- 2D materials, 1D nanofibers, and special nanostructured materials
- Nanostructured materials or composites for photocatalyst and electrocatalyst
- Fabrication of nanomaterials-based devices (solar cells, LEDs, batteries, supercapacitors, gas and light sensors, transistors, etc.)
- In situ technology to investigate the reaction mechanism of nanomaterials in potential applications

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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