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Excited-State Dynamics Processes in Organic-Inorganic Hybrid Nanomaterials

Guest Editor:

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Message from the Guest Editor

This Special Issue focuses on recent experimental and theoretical advances in organic–inorganic nanocomposites. By revealing excited-state dynamics processes involved in these systems, it aims to facilitate a deep understanding of, and structural insights into, the design and application of hybrid nanomaterials at the atomic and molecular levels. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- 1. The design of new organic–inorganic hybrid nanomaterials;
- The characterization of excited-state dynamics processes in organic–inorganic hybrid nanomaterials;
- 3. The dynamic characterization of organic–inorganic nanomaterial interfaces;
- 4. The practical application of organic–inorganic nanomaterials.

Specialsue



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Editor-in-Chief

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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, metalorganic 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.

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