



Nanocrystals, Nanoclusters, Nanoparticles: Synthesis and Optical Properties

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Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editor

Dear Colleagues,

Recent progress in the field of controlling matter at the nanoscale has impacted science in a rather unprecedented way. With advances in the synthesis and control of morphology, chemical composition, as well as in the sizes and shapes of nanoparticles, nanocrystals, and nanoclusters, it has become possible to tune their properties on demand. In turn, interactions between these nanomaterials and molecular systems have been investigated in a broad range of aspects, including optoelectronics, sensorics, photocatalysis, artificial photosynthesis, and many more. Moreover, such materials can also be frequently coupled with biomolecules in a controlled way, affecting their properties and functions. Thus, multiple functionality systems, such as theranostic agents, have been proposed.

The aim of this Special Issue is to provide a platform for collecting work focused on various aspects of the synthesis and optical characterization of nanoparticles, nanocrystals, and nanoclusters, where synergy effects can be studied and exploited. Experimental and theoretical papers, review articles, and commentaries are all welcome.





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Message from the Editor-in-Chief

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