

Special Issue

Advances and Applications of Nanoclusters

Message from the Guest Editors

This Special Issue on nanoclusters invites scientists working at universities and research institute around the world to discuss the recent progresses and applications of nanoclusters. Nanoclusters are aggregates of atoms of metal or non-metal elements in mixed or pure forms. The properties of nanoclusters are different from bulk materials and vary a lot according to their sizes, shapes and compositions. Nanoclusters serve as an ideal platform for the discovery of novel atomic structures, analysis of never-before-seen chemical bonds, understanding of the fundamental mechanisms and inspiration for the design of nanomaterials. Nanoclusters with high stability can be used in many proposed applications. This Special Issue welcomes any original research articles or reviews on nanoclusters. Topics of interest include, but are not limited to, the following:

- Experimental spectroscopy measurements of nanoclusters;
- Spectroscopic methods and instruments;
- Synthetic methods of nanoclusters;
- Theoretical calculations of atomic and electronic structures of nanoclusters;
- Experimental or proposed application of nanoclusters.

Guest Editors

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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