

Special Issue

Structure and Properties of Metal Nanoclusters

Message from the Guest Editor

Research on metal nanoclusters has seen impressive progress in recent decades, thanks to breakthroughs in both experimental and theoretical approaches. Metal nanoclusters can be prepared using a physical or chemical approach. Experimental syntheses begin to be able to control size and structure by adjusting the reaction parameters, precursor composition, and reducing and stabilizing agents. Investigating the intrinsic properties of metal nanoclusters remains a very active domain of research, especially concerning the characterization of the structure, the reactivity, and the electronic and optical properties. Additionally, studying the effects of the environment on the chemical and physical properties of metal nanoclusters is now a major challenge for both theoreticians and experimentalists.

This Special Issue aims to assemble the recent relevant scientific achievements in the field of metal nanoclusters and their structure and properties (i.e., synthesis, stability, electronics, optics, reactivity, electrochemical, etc.). Both experiments and theoretical calculations are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (29 February 2020)



Molecules

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CiteScore 8.6
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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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