Special Issue

Actinoids in Biologic Systems and Catalysis

Message from the Guest Editor

The past decades witnessed the quick growth of our knowledge in actinoids chemistry, among which are their behaviors in catalysis and in biologic systems. The knowledge in these issues is important to the sustainable civil application of nuclear fission energy, and contributes to an objective evaluation of potential influence to environment and health. Studies in these two issues have touched the fundamental nature of coordination chemistry of actinoids. In the field of catalysis, low valent actinoid complexes have been reported to display intriguing reactivities to the activation of small molecules, e.g. CO2 and N2, which opened a new path to their activation, and to the synthesis of more complex chemical compounds. These studies showed the potential to make use of isotopes with low radioactivity in catalysis that otherwise require geological disposal. This deserves extensive studies.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2022)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/89697

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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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