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Molecular Structure of Minerals

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Deadline for manuscript submissions:
closed (30 November 2024)

Message from the Guest Editors

Dear Colleagues,

The molecular structure of minerals is the basic feature of each mineral, the fundamental factor determining the mineral morphology, physical properties, and genesis, and an important symbol for the generation and evolution history of minerals. At present, the characterization techniques studying the molecular structure characteristics of minerals include XRD, thermal analysis, FTIR, Raman spectroscopy, and morphology observation techniques such as SEM and AFM. The characterization of mineral molecular structures can provide a scientific basis for the study of mineral genesis and evolution as well as the interpretation of various geological phenomena.

For this special issue on “Molecular Structure of Minerals”, we welcome the submission of original research articles, introducing the latest frontiers and developments in the characterization of mineral molecular structures, mineral evolution laws, mineral surface–interface interactions, high-pressure new minerals, and research on the mechanism of mineral phase transformation.

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Dr. Guangqing Hu
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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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