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Matrix Infrared Spectra and Molecular Structures of Reactive Intermediates

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The reactive intermediates generated in chemical reactions, such as free radicals, unstable ions, and activated complexes, are short-lived and highly reactive. Identification of such chemical species is important to help understand chemical reaction mechanism. The reactive intermediates can be isolated in low temperature matrix, which can be identified by infrared spectroscopy. Such MI-IR (matrix isolation–infrared spectroscopy) technique goes back for many years, which is continuously used to identify the reactive species. The state-of-the-art theoretical calculations are performed to confirm the assignments of matrix infrared spectra and explore reaction mechanism and nature of bonding. This Special Issue will focus on recent progress of matrix isolated reactive intermediates, both experimentally and theoretically.

Prof. Xuefeng Wang Guest Editor













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Editor-in-Chief

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Message from the Editor-in-Chief

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