



Organoaluminum Compounds

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Message from the Guest Editors

Dear Colleagues,

Organoaluminum compounds bearing Al^{III} atoms have been commonly used in organic, organometallic, and inorganic chemistry as Lewis acids, reductants, and nucleophiles. Novel organometallic compounds consisting of low-oxidation state (Al^I or Al^{II}) or multiply bonded aluminum atoms have been recently developed as bottleable species, because of their potential as new building blocks in organometallic chemistry and main group metal-based catalyst. The aim of this special issue is to display the recent progress in the experimental and theoretical studies on the syntheses, structures, reactivities, and catalytic application of organoaluminum compounds bearing low-oxidation state (Al^I or Al^{II}) as well as common oxidation state (Al^{III}) aluminum atoms. This issue is associated with the development of novel synthetic methodologies, structural elucidations, bonding analysis, and applications in stoichiometric or catalytic molecular transformations using organoaluminum compounds and aluminum-containing complexes. New methodology in organic or inorganic syntheses using organoaluminum compounds is also welcomed.

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Message from the Editor-in-Chief

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