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Lewis Pair Polymerization for New Reactivity and Structure in Polymer Synthesis

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Message from the Guest Editors

Dear Colleagues,

The last decade has witnessed tremendous progress in the emerging frustrated Lewis pair (FLP) chemistry. The concept of Lewis pair polymerization (LPP)—which utilizes an FLP, a classical Lewis adduct (CLA), or an interacting Lewis pair at the intermediacy between FLP and CLA states—to achieve cooperative monomer activation and chain initiation and/or propagation has been developed to synthesize various types of polymers.

The goal of this special issue is to collect and disseminate some of the significant contributions in the area of polymer synthesis recently enabled by LPP, emphasizing the development of new polymerization reactions rendered by new Lewis pair catalyst/initiator systems, exploration of monomer scopes, and synthesis of polymers with controlled or unique structures. Hence, we cordially invite you to submit your valuable contributions to this special issue on the LPP topic that interfaces with main-group, organometallic, and polymer chemistry, catalytic and green chemistry.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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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