



## Lewis Pair Polymerization for New Reactivity and Structure in Polymer Synthesis

Guest Editors:

**Prof. Dr. Miao Hong**

State Key Laboratory of  
Organometallic Chemistry,  
Shanghai Institute of Organic  
Chemistry, Chinese Academy of  
Sciences, Shanghai 200032,  
China

**Dr. Jiawei Chen**

Department of Chemistry,  
Columbia University, 3000  
Broadway, New York, NY 10027,  
USA

**Prof. Dr. Eugene Y.-X. Chen**

Department of Chemistry,  
Colorado State University, Fort  
Collins, CO 80523-1872, USA

Deadline for manuscript  
submissions:

**closed (15 January 2018)**

### 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.

Prof. Dr. Miao Hong

Dr. Jiawei Chen

Prof. Dr. Eugene Y.-X. Chen

*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

## Contact Us

---

*Molecules* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](#)