

Special Issue

Electronic and Steric Effects of Catalysts on Polymerization Mechanisms

Message from the Guest Editors

Improving the performance of catalysts via structural and electronic modifications is common in catalysis. Steric and electronic factors play a key role in controlling the stability and activity of catalysts and in determining the molecular weight and structure of polymers.

Detailed knowledge about the reaction mechanism appropriately guides the structural modifications of the catalyst to obtain new polymeric materials with a tailored composition and structure. To this end, the synergy between theoretical and experimental modeling is fundamental. This Special Issue collects papers on polymeric materials obtained using various reaction mechanisms, starting with classic olefins as well as polar monomers, monomers from renewable sources, for which, the rationalization of catalytic behavior and/or the catalyst design is pivotal.

Guest Editors

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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