

Special Issue

Catalysis in π -Olefin Polymerization/Oligomerization

Message from the Guest Editor

Fifty-five years after the Nobel Prize was awarded to Ziegler and Natta in 1963, polymerization/oligomerization of π -olefins by transition-metal catalysts has grown to one of the most enchanting areas in academic and industrial research. The transition-metal catalysts have enabled precise synthesis of polyolefins and oligomers with the suitable choice of an ancillary ligand for the transition-metal complex. In recent decades, extensive research efforts have been devoted to developing new early- and late transition metal catalysts that can achieve higher activities and stereospecificities, and controlled polymer properties in various π -olefin polymerization. Progress in research on coordination polymerization catalyzed by transition-metal complexes continues to produce new π -olefin-based materials that are economically and environmentally favorable.

Guest Editor

Dr. Norio Nakata

Department of Chemistry, Graduate School of Science and Engineering, Saitama University, Shimo-okubo, Sakura-ku, Saitama, Japan

Deadline for manuscript submissions

closed (30 April 2019)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/15775

Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

[mdpi.com/journal/
catalysts](https://mdpi.com/journal/catalysts)





Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



[mdpi.com/journal/
catalysts](https://mdpi.com/journal/catalysts)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Keith Hohn

Carl R. Ice College of Engineering, Kansas State University, Manhattan,
KS, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Physical) / CiteScore - Q1 (General Environmental Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).