

# Special Issue

## Dynamic Polymers

### Message from the Guest Editor

Dynamic polymers with dynamic covalent or non-covalent bonds have attracted increasing attention for their unique roles in various areas. Among these, chemical recycling, reprocessing, and self-healing have been mostly extended in the past few decades due to sustainable societal development. Beyond that, bond exchangeability of dynamic polymers leads to unparalleled design in polymer composition, topological structure, or physical properties which show important applications in functional materials. With the growing number of dynamic chemistries being studied, various new unignorable problems have emerged, including performance reduction after reprocessing, easiness of creep of self-healing materials, etc. This Special Issue will cover the wide range of research in the field from the dynamic enabling chemistries, special network designs, new mechanisms, and potential applications. Materials containing dynamic molecules, dynamic oligomers, and dynamic networks are all included. Research works and reviews are both welcome.

---

### Guest Editor

Dr. Ning Zheng

State Key Laboratory of Chemical Engineering, Zhejiang University, Hangzhou 310058, China

---

### Deadline for manuscript submissions

closed (25 November 2022)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.7  
CiteScore 8.0  
Indexed in PubMed



[mdpi.com/si/97214](https://mdpi.com/si/97214)

*Polymers*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto:polymers@mdpi.com)

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





# Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.7  
CiteScore 8.0  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of  
Potsdam, 14476 Potsdam-Golm, Germany

---

### 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), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)