

## Special Issue

# Polymers for Energy Storage, Conversion and Recovery

### Message from the Guest Editor

Polymers are ubiquitous for the vast majority of technologies, from packaging to biomedical to energy applications. As critical components for energy storage and conversion devices, functional polymers, e.g., polymer electrolytes, electrode binders, and protective coatings, are in great demand to address the emerging challenges in both research and manufacturing. The aim of this Special Issue is to showcase research and review articles with original contributions to the design, synthesis, and modeling of polymer materials, particularly those focused on energy-related applications. Topics of interest for this Special Issue include, but are not limited to, the following:

- Understanding of the electrochemical phenomena and structure-property correlations for polymers;
- Novel synthetic or processing approaches to enhancing the properties of polymer materials for battery and fuel cell applications;
- Rational design of polymers for new electrochemical systems;
- Modeling transport phenomena in functional polymers.

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### Guest Editor

Dr. Tianyu Zhu

Department of Materials Science and Engineering, Clemson University, Clemson, SC, USA

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### Deadline for manuscript submissions

closed (31 March 2024)



## Polymers

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Impact Factor 4.9  
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*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto:polymers@mdpi.com)

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## 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 4.9.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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