Special Issue

Multifunctional Polymers for Photoelectrocatalytic Applications

Message from the Guest Editor

Recently, photocatalytic technology, including photocatalytic wastewater treatment, water splitting, reduction in CO2, and nitrogen fixation, has been widely studied. The photocatalytic system is mainly composed of photoelectrodes (photoanodes or photocathodes), counter electrodes, electrolytes, and external circuits. The most important factor affecting photoelectrocatalytic efficiency is electrode material. To date, various materials have been used as electrodes, such as transition metal sulfides, metal oxides, and metal–organic frameworks. Although polymer-based electrode material has also been reported, its performance needs to be further improved. Therefore, it is necessary to combine conductive polymers with other nanomaterials and then use them for photoelectrocatalytic applications.

Guest Editor

Dr. Yonglei Xing

State Key Laboratory of High-Efficiency Utilization of Coal and Green Chemical Engineering, National Demonstration Center for Experimental Chemistry Education, School of Chemistry and Chemical Engineering, Ningxia University, Yinchuan 750021, China

Deadline for manuscript submissions

closed (15 August 2023)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/135008

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

mdpi.com/journal/polymers

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/journal/polymers

MDPI

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)