

Special Issue

Polymeric Materials for Perovskite Solar Cells

Message from the Guest Editors

Polymeric materials play multiple roles towards highly efficient metal halide perovskite optoelectronics including solar cells, electrically driven light-emitting devices, photodetectors and so on. They can serve as flexible substrates to fabricate ultra-light and ultra-flexible portable electronic devices. Polymer related interface modification, crystallinity modulation, surface passivation and charge carrier regulation also result in significant advancement in perovskite optoelectronics. Exploitation of novel polymers in perovskite optoelectronics are in a constant drive to advance the device performance and their potential applications. This Special Issue invites original papers and reviews reporting the most valuable findings on polymer materials towards perovskite optoelectronics. Insights into polymer functionalization, copolymerization, surface modification or use as polymeric additives in order to widen the development and performance of (flexible) perovskite solar cells are welcome. Studies regarding the polymer applications towards efficient perovskite light-emitting devices or photodetectors can also be included in this Special Issue.

Guest Editors

Dr. Li Song

Tianjin Key Laboratory of Electronic Materials and Devices, School of Electronics and Information Engineering, Hebei University of Technology, 5340 Xiping Road, Tianjin 300401, China

Dr. Fuhua Hou

School of Physical Science and Technology Key Laboratory of Semiconductor Photovoltaic Technology at Universities of Inner Mongolia Autonomous Region, Inner Mongolia University, Hohhot 010021, China

Deadline for manuscript submissions

closed (30 June 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 8.0
Indexed in PubMed



mdpi.com/si/124021

Polymers

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 & Polymers and Plastics)