

## Special Issue

# Applications of Polymers for Metal Halide Perovskite Optoelectronic Devices

### Message from the Guest Editors

Remarkable breakthroughs in perovskite-based solar cells (PSCs) and light-emitting diodes (PeLEDs) have been achieved in a relatively short time. To date, a certified power conversion efficiency over 25% and an external quantum efficiency of over 12% has been achieved for PSCs and PeLEDs, respectively. Polymers, due to their unique and versatile abilities to manipulate chemical and physical interfacial properties, have emerged as powerful materials for improving the performance of metal halide perovskite-based optoelectronic devices. The successful design and fabrication of new functional polymer materials, such as hole/electron transporting materials, interfacial modifiers and electrodes, is undoubtedly a potential technique to further enhance device performance. The aim of this Special Issue is to collect state-of-the-art contributions related to various applications of polymers in the field of metal halide perovskite-based optoelectronic devices. This includes, but is not limited to, hole/electron transporting materials, surface modifiers and defect passivators for perovskite nanocrystals, anodes and their applications in perovskite-based optoelectronic devices.

### Guest Editors

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### Deadline for manuscript submissions

closed (5 November 2022)



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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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