Special Issue

Smart Polymeric Materials for Electrochromic Energy Storage Systems

Message from the Guest Editors

- Electrochromic energy storage (EES) devices offer a unique combination of optical modulation and energy storage capabilities, making them ideal for applications such as smart windows, wearable electronics, and multifunctional displays. Polymers play a critical role in enhancing the flexibility, conductivity, and processability of these systems. Recent developments in conductive polymers, polymer nanocomposites, and hybrid polymer–metal oxide materials have significantly advanced the performance and integration of EES devices.
- This Special Issue aims to highlight cutting-edge research on the design, synthesis, and application of polymeric materials in electrochromic energy storage technologies. Topics of interest include novel polymer electrolytes, electrochromic polymer films, conductive polymer electrodes, and polymer-assisted nanostructures for enhanced energy storage and optical performance. We invite original research articles and comprehensive reviews that provide insights into the current trends and future directions of polymer-based electrochromic energy storage systems.

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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
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