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Electrochromic Polymers

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Message from the Guest Editors

Electrochromism refers to the alternation of optical absorption or color of an electroactive species by electrochemically induced redox reactions. This intriguing property has shown great promise in applications such as optical switching devices, data storage, displays, auto-dimming mirrors, smart windows, adaptive camouflage, eyewear, and energy storage devices. A number of organic, inorganic, and organic-inorganic hybrid materials have been used to construct electrochromic devices, such as transition metal oxides, inorganic coordination complexes, organic dyes and polymers, and organic-metallic hybrid polymers. Among the different types of electrochromic materials, organic polymers attract much attention because of several advantages such as mechanical flexibility, enhanced processability, easy color tuning, rapid switching and high coloration efficiency.

In order to reflect the current state of the art on the subject and to explore potential future developments, the present Special Issue welcomes submissions on all aspects of electrochromic polymers ranging from synthesis and characterization to structural modification, processing, and new applications.



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Special Issue



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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 5.0.

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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