



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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Message from the Editor-in-Chief

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