



Smart Polymers and Devices: From Principles, Design to Fabrications and Applications

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Message from the Guest Editors

In recent decades, research on smart polymers has flourished, which is indicated by the continuous growth of related publications, especially in the soft sensing and actuating fields for robotics.

Soft sensors and actuators based on smart polymers gradually become an indispensable component for the design of soft devices. With the capacity of transduction, these smart polymers mainly refer to stimuli-responsive polymers, such as ionic–polymer metal composites (IPMC), dielectric elastomers (DE), hydrogels, ionic gels, conducting polymers, polyvinylidene difluoride (PVDF), shape memory polymers (SMP), self-healing polymers, etc.

This Special Issue aims to focus on our understanding and development of the fabrication, design, characterization, control, and applications of sensors and actuators based on smart polymers. We hope that these contributions will provide a solid foundation for future studies. We welcome both original research papers and review articles related to the development and application of devices based on sensors and actuators involving smart polymers.





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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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