



Novel Soft Matters for Flexible Electronics and Biomedical Applications

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Message from the Guest Editors

Due to their good conductive sensing properties, self-healing/recyclability, biocompatibility and mechanical properties similar to biological tissues such as skin and muscle, soft matters like hydrogels and elastomers have provided great breakthroughs in recent years in the application of flexible sensors, wearable devices, biomedicine, etc. However, many challenges remain to be solved—for example, designing hydrogels with both high strength and self-healing properties; enriching the versatility of hydrogels/elastomers; tailoring the mechanical properties and functionality of hydrogels/elastomers to the application, etc. The aim of this Special Issue is to highlight the need for rational structural design and synthetic innovation to improve the comprehensive performance of hydrogels and elastomers and to explore applications in flexible electronics and biomedicine.





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