



## Applications of Polymer Materials in Energy Storage

Guest Editor:

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### Message from the Guest Editor

As human life gradually enters a new era of intelligence, the demand for energy has also greatly increased. Energy storage and conversion technology is an important research topic in the task of meeting energy demand. Polymer materials have been widely used in various fields, such as electrochemical energy storage (capacitors and batteries) and green energy (thermal and mechanical), due to their inherent low cost and high processability. These rich functionalities are achieved through active electrochemical, dielectric, piezoelectric, and pyroelectric properties, which can be tuned by different structural and morphological features of high molecular weight polymers. This Special Issue aims to collect research articles on the synthesis, characterization, and application of various polymer material systems, including polymer-based electrode materials, polymer-based electrolytes, composites of dielectric polymers, and other materials, etc.





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