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Advanced Polymers for High-Performance Batteries

Guest Editors:

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Message from the Guest Editors

As the energy structure of the world transitions from fossil fuels to renewable energy, new energy and its devices (e.g., lithium-ion cells, hydrogen energy, and supercapacitors) are playing a significant role in human production and living. Polymers are being widely used in new batteries, acting as the critical components of separator, electrolyte, aluminum-plastic film, proton conductor, etc. Therefore, the performance of polymers has an extremely significant impact on the performance of new batteries. Polymer research is crucial to the development of high-performance batteries. To achieve more competitive performances, new polymer materials with more advanced features are continuously being researched and proposed. It is hoped that the new proposed polymers could achieve 'high-performance batteries' with both competitive electrochemical and safety performances, meet the market requirements, and better serve the community.

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Message from the Editor-in-Chief

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