



## Versatile Polymers for Batteries II

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### Message from the Guest Editor

Polymer materials offer major opportunities in various fields due to their versatile properties and applicability. Especially in secondary battery applications, they have become important parts of developing advanced and safer battery systems. Thus, the portion of polymer materials in battery cells is becoming larger and larger, as cell components such as separators, membranes, binders, electrolytes, interface layers, and redox-active materials. To meet the high-energy density, fast charging rate, long lifespan, high efficiency, low cost, and safety required for modern/next-generation batteries, multifunctional polymers, the control of interfacial reactions, and the diffusion of charge carriers have been studied with new synthesis methods and applied with novel approaches. As such, polymers could fulfill more important tasks in next-generation battery systems. This Special Issue will concentrate on recent research on new fabrications, syntheses, modifications, utilizations, and applications of versatile polymer materials for secondary batteries.





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