



Advanced Materials for Supercapacitors

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Message from the Guest Editor

Dear Colleagues,

The rapid development of human society has triggered the urgent need for green and sustainable energy, as well as novel technologies addressing energy storage and conversion.

This is particularly true for the development of supercapacitors and battery storage devices. Numerous novel materials, ranging from various forms of carbon, with porosities and surface areas tailored to the enhanced electrochemical double layer response, to nanostructured metal compounds for redox-based supercapacitors and asymmetric devices, are attracting increasing attention regarding such applications. Additionally, the need for energy storage systems that are applicable to electric vehicles is expected to significantly augment in the coming years, so the development of high-performance supercapacitors and batteries has become a subject of special interest.

To promote the development of supercapacitors from scientific research to industry applications, we are launching this Special Issue entitled “Advanced Materials for Supercapacitors”. Original research papers, reviews, and perspectives related to the scope of the Special Issue are warmly welcomed.





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Message from the Editor-in-Chief

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