Special Issue

Advances in Carbon-Based Materials for Lithium Ion Batteries

Message from the Guest Editor

In recent years, the increasing demand for novel high-performance power sources has encouraged research on new lithium-ion batteries (LIBs) materials and devices worldwide. Recent progress in nanoscience and nanotechnology has led to promising opportunities to fabricate new energy storage materials for next-generation LIBs. Carbon-based materials have been extensively researched as electrode materials for LIBs owing to their abundance, low cost, nontoxicity, and electrochemical diversity. This Special Issue, “Advances in Carbon-Based Materials for Lithium Ion Batteries”, aims to cover recent advancements and trends in carbon-based electrode materials. We welcome research articles, short communications, and reviews focusing on the design, development, preparation, characterization, and applications of carbon-based materials for LIBs.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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