Special Issue

Frontiers in Functional Carbon Materials for Electrochemical Energy Storage

Message from the Guest Editors

Thanks to their good stability, appropriate conductivity and rich sources, carbon materials have shown promise regarding application in electrochemical energy storage. Currently, various strategies are being developed to take advantage of the effects of carbon materials in terms of different dimensions, different architectures or morphology, different doping or compositions, and so on, to create improved applications. Additionally, carbon materials could easily be combined with photo-, thermo-, magnetic-active materials for expanded electrochemical energy conversion and storage. This Special Issue will focus on the frontiers in functional carbon materials for electrochemical energy storage, including but not limited to the design of carbon precursors, the regulation of carbon morphology and structure, the optimization of components and properties, and the extension of synthesis and applications. We welcome your contributions to this Special Issue, in the form of original research articles, short communications, and reviews, focusing on the application of carbon materials in electrochemical energy science.

Guest Editors

Prof. Dr. Zegao Wang
Prof. Dr. Yi Wang
Dr. Li Wang

Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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