Special Issue

Application of Nanocomposites and Porous Carbons for Energy Storage, Electrochemical Catalysis and Flexible Electronic Devices

Message from the Guest Editors

Nanocomposites and porous carbons play an increasingly more important role in various fields. The development of these functional materials and novelty production technologies has attracted great interest for the last decade. This Special Issue focuses on (1) the new methods for fabricating nanocomposites and porous carbons from various nano building blocks and carbon precursors (including petroleum and biomass resources); (2) physical and chemical properties; (3) their applications in a broad range, such as energy storage, electrochemical catalysis, and flexible electronic devices. We seek contributions that deal with the design and fabrication of novel types of nanocomposites and porous carbons. Determining the effects of interface and microstructure on the energy storage, catalysis, and mechanical, optical, electrical properties of these materials is also welcomed. Both research papers and reviews are accepted. We believe that those of you who contribute to this Special Issue will enhance the number of successful applications of nanocomposites and porous carbons in critical science and engineering fields.

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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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