Special Issue

Mesoporous Materials for Electrochemical Energy Storage

Message from the Guest Editors

In recent years, increasing environmental problems and energy challenges have lead to urgent demand for developing green, efficient and sustainable sources of energy, as well as new technologies associated with energy conversion and storage systems. Mesoporous materials have attracted widespread attention in the fields of lithium/sodium ion batteries, aqueous Zn ion batteries, fuel cells, supercapacitors and electrocatalysts, etc. Mesoporous materials can provide a large surface area to boost electrochemical reactions at the interface, facilitating electron/ion transport and electrolyte diffusion. I invite you to submit manuscripts on topics including (but not limited to) the following:

- Mesoporous materials for Li/Na ion batteries.
- Mesoporous materials for aqueous Zn ion batteries.
- Mesoporous materials for supercapacitors.
- Mesoporous materials for fuel cells.
- Mesoporous materials for electrocatalysts.
- Understanding of the relationship between cell performance and the mesoporous structure.

Guest Editors

Dr. Shuge Dai

Key Laboratory of Material Physics, Ministry of Education, School of Physics, Zhengzhou University, Zhengzhou 450052, China

Prof. Dr. Cunyue Guo

School of Chemical Sciences, University of Chinese Academy of Sciences, Beijing 100049, China

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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