Special Issue

Innovative Materials for Energy Storage and Conversion

Message from the Guest Editors

Over the past few decades, numerous types of materials have been developed for batteries, capacitors, solar cells, and other energy devices. Many breakthroughs have been demonstrated with numerous endeavors. However, there is still a long way to go to approach practically feasible energy storage/conversion devices with properties of high efficiency, low cost, and long life span. Owing to the unique structure and properties of nano or low- dimensional materials for energy storage and conversion, such as graphene, MXene, black phosphorene, etc., they have attracted an increasing amount of research interests, as evidenced in the exponential increase in the number of publications in these fields. With this in mind, this Special Issue will present a collection of the most recent findings in materials for energy storage and conversion, as well as their synthesis, structure, properties, characterization, and application. Our goal is for this Special Issue to provide a broad overview of innovative energy storage and conversion.

Guest Editors

Dr. Xiuyi Lin

College of Materials and Energy, South China Agricultural University, Guangzhou 510642, China

Dr. Zhenglong Xu

Department of Industrial and Systems Engineering, The Hong Kong Polytechnic University, Hong Kong, 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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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.

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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