



Next Generation Electrode Material

Guest Editor:

Prof. Dr. Gregorio F. Ortiz

College of Materials Science and
Engineering, Huaqiao University,
Xiamen 361021, China

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submissions:

closed (31 May 2020)

Message from the Guest Editor

Dear Colleagues,

The fabrication of electrode materials is of great importance for many applications worldwide. This Special Issue is focused on experimental/theoretical studies that report the synthesis, properties, applications, and new aspects of electrode materials.

Electrode materials prepared by different synthesis routes have shown diverse properties in the field of energy storage and conversion.

Topics of interest include, but are not limited to, the following:

- Electrode materials for energy storage and conversion;
- Li-ion and post Li-ion batteries (Na-ion, Mg-ion, hybrids, etc.);
- Carbon nanomaterials;
- Synthesis of organic/inorganic materials;
- Thin films (CVD, PVD, electro-less, etc.);
- Electrolytes formulation (solid state, additives, etc.);
- Electrodes from biomass;
- Electrode/electrolyte interfaces;
- Supercapacitors;
- Redox-flow batteries, Li-S, Na-S;
- Solar cells;
- Fuel cells;
- Catalysts;





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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

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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Molecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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