Special Issue

Synthesis and Characterization of Functional Materials for Electrochemical Energy Storage and Conversion—2nd Edition

Message from the Guest Editor

The editorial board of Molecules (IF: 4.6, ISSN 1420-3049) invites you to submit an article or review to a Special Issue entitled "Synthesis and Characterization of Functional Materials for Electrochemical Energy Storage and Conversion—2nd Edition". The field of electrochemistry offers many strategies that could improve the prospects of renewable resources in a future clean-energy, zero-emission landscape. The wide-scale deployment of electric cars powered by Li-ion batteries has become one of the major directions in limiting the use of oil. In parallel with this, the use of fuel cells, powered by green hydrogen produced by water electrolysis using surplus renewable energy, is garnering increasing interest for use in many applications (heavy-vehicles, trains, ships, steel and ammonia production, etc.). Other interesting electrochemistry-based approaches that can help in the fight against climate change include the electrochemical conversion of CO2 into value-added products, flow batteries, and supercapacitors, among others.

Guest Editor

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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.

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