Special Issue

Advanced Nanomaterials for Efficient Energy Electrocatalysis

Message from the Guest Editor

This special issue focuses on the development of advanced nanomaterials as electrocatalysts for efficient energy conversion and electrocatalysis. Topics include catalytic mechanisms, structure-activity relationships, and various physicochemical/electrochemical techniques and simulation methods.

We encourage contributions on the design, synthesis, characterization, and application of advanced electrocatalysts such as carbon materials, alloys, transition metal compounds, MXenes, MOFs, COFs, etc. This includes their use in popular electrocatalytic reactions (OER, ORR, HER, UOR, CO2RR, etc.) and electrochemical energy conversion applications (fuel cells, electrolysis, metal-air batteries, Li/Na-S batteries, etc.).

Authors are invited to submit original research articles or comprehensive review articles showcasing recent developments in this field.

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Deadline for manuscript submissions
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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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