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Nanomaterials towards Electrocatalysis

Guest Editor:

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Deadline for manuscript submissions:

closed (30 June 2023)

Message from the Guest Editor

Dear Colleagues,

The rapid consumption of fossil fuels has caused increasing instances of climatic issues and energy crises, which leads to the urgent demand for developing sustainable and clean energies. The development of advanced electrocatalyst technology is based on the exploration of many scientific problems, including in-depth understanding of electrocatalytic mechanisms, design and synthesis of advanced catalysts, design of electrolytic cells, exploration of catalytic reaction possibilities, and advanced characterization techniques. The scope of this Special Issue is to offer latest cutting-edge research and developments of electrocatalysis for energy conversion. Research areas may include (but are not limited to) the following:

Electrocatalysts for fuel cells and water electrolysis;

Electrochemical conversion of CO2, N2, CH4 and other small molecules:

Electrocatalysis mechanistic studies;

Electrolyzer reactor design;

Advanced characterization techniques for electrocatalysis. See more information in:

https://www.mdpi.com/si/145360

Dr. Xiaoqian Wang Guest Editor











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Editor-in-Chief

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Message from the Editor-in-Chief

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