Special Issue

Electrocatalysis: Fundamental Mechanistic Understanding and Applications

Message from the Guest Editors

This Special Issue aims at covering the research and review articles regarding the understanding and applications of electrocatalysis using state-of-the-art methods. Both experimental and theoretical studies are welcomed. The keywords of the Special Issue include but are not limited to: Computational electrocatalysis; Experimental electrocatalysis;
Catalyst design;
Digital catalysis (catalysis with AI);
Machine learning and data-mining;
Kinetic modeling;
Fuel cell;
Electrolysis;
Oxygen reduction reaction;
Hydrogen evolution reaction;
Oxygen evolution reaction;
CO_2 reduction reaction;
Nitrogen reduction reaction;
Nitrite/nitrate reduction;
Fluoride decomposition;
Hydrogen production and storage.

Guest Editors

Dr. Hao Li

Dr. Zhao Ding

Dr. Weijie Yang

Deadline for manuscript submissions

closed (10 September 2022)

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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