

## Special Issue

# Electrocatalysts for Electrochemical Sensors and Energy-Related Devices

### Message from the Guest Editor

The design and development of advanced electrocatalytic materials is of great importance for making efficient sensors and energy devices. Because of their unique physicochemical properties, two-dimensional layer materials are likely to remain leading stars in energy and sensors for many years. Advanced nanocomposites are being developed through the combination of materials ranging from metal nanoparticles to two-dimensional layer materials. Multi-functional electrocatalysts are developed for energy reactions such as hydrogen evolution and oxidation, oxygen evolution and reduction, CO<sub>2</sub> reduction, etc., which have had significant impacts on fuel cells, electrolyzers, zinc–air batteries, etc. Developing low-cost, high-performance, robust, and sustainable electrocatalytic materials to replace precious metals is a major focus in the energy sector. This Special Issue entitled “Electrocatalysts for Electrochemical Sensors and Energy-Related Devices” aims to collect original articles and reviews on the latest developments in the design and synthesis of electrocatalysts for sensor and energy applications.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2021)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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