

Special Issue

Advanced Fuel Cells: Design, Synthesis and Photoelectrocatalyst Applications

Message from the Guest Editors

This Special Issue entitled "[Advanced Fuel Cells: Design, Synthesis and Photoelectrocatalysts](#)" aims to combine a group of articles devoted to the most important areas in the development and synthesis of new catalytic materials for low-temperature fuel cells and photoelectrocatalysis. The design includes theoretical and experimental research targeted at the creation of active sites on catalysts' surfaces for electro-oxidation reactions as well as catalysts for oxygen reduction. This Special Issue will include research on the photocatalytic degradation of organic pollutants and photo- and photoelectrocatalytic CO₂ capture. Works on photoelectrocatalysis for hydrogen production through the decomposition of water are welcome. Particular attention will be paid to the development of new promising methods for the synthesis of active, stable, and selective nanocomposite materials both for fuel cells and for photoelectrochemical processes involving organic substances.

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Message from the Editor-in-Chief

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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