Special Issue

Nanocatalysts for Electro-Oxidation

Message from the Guest Editor

All synthetic methods and approaches to prepare the nanocatalyst for electrochemical oxidation processes, in situ/ex situ spectroscopic and microscopic methods to probe the structure of the nanocatalysts, articles on the investigation of the stability of nanocatalysts, and novel methods to improve the dispersion of the nanocatalyst on supports are welcome. We particularly welcome articles that present the structure–electrochemical activity relationships and those that contribute toward the understanding of nanocatalyst design principles. We invite submissions of original research articles or comprehensive reviews. For more details, please check: https://www.mdpi.com/journal/nanomaterials/special_issues/electro_oxide

Guest Editor

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Deadline for manuscript submissions

closed (15 October 2021)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/79113

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Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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