Special Issue

Recent Advances of Catalysts for Hydrogen Evolution Reaction in Water Splitting

Message from the Guest Editor

This Special Issue welcomes the submission of original research papers, reviews, and perspectives that focus on promising and novel research outcomes in the synthesis, functionalization, characterization, and application of novel catalysts for water electrolysis. Submissions may cover themes including but not limited to:

- Cost-effective synthesis approaches of novel catalysts including bi-functional catalysts for overall water electrolysis;
- Elaborate fabrication of robust electrodes with high durability;
- Catalyst degradation and electrode failure mechanisms using advanced in situ and ex situ characterization techniques;
- Performance evaluation from conventional RDE testing to device levels, such as AEM electrolyzers and PEM electrolyzers.

Dr. Zhiqiang (Andrew) Xie

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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