

Special Issue

Advanced Electrocatalytic Materials for Energy and Environmental Applications

Message from the Guest Editors

This Special Issue aims to introduce the latest progress made in research on advanced electrocatalyst materials in the field of energy and the environment. With the rapid development of human society, energy shortages and environmental pollution have become two serious problems faced by human society. Therefore, there is an urgent need to solve these problems by developing advanced electrocatalyst materials for efficient energy conversion, energy storage and environmental protection. This Special Issue will mainly include manuscripts focused on the field of electrocatalysis. Topics of interest include, but are not limited to, the following: hydrogen evolution, carbon dioxide reduction, nitrogen reduction, oxygen reduction and microbial fuel cells. At the same time, we also intend to include research on the electrocatalytic treatment of refractory water pollutants and research on new energy recovery from environmental waste in this Special Issue. It is our pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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