

## Special Issue

# Applications of Catalytic Materials in Energy and Environmental Areas

### Message from the Guest Editors

In recent years, the world has faced increasingly urgent energy and environmental challenges and a higher demand for clean energy and water. Improved nanomaterials and nanotechnologies could be applied to such issues, benefiting the sustainable development of society. This Special Issue will act as a forum allowing scientists and engineers to exchange the latest knowledge on the use of nanomaterials for catalysis in energy and environmental fields. The following topics are of particular interest for this Special Issue: catalytic synthesis of future energy sources, including hydrogen; catalytic carbon dioxide reduction; catalytic synthesis of ammonia; catalytic degradation of pollutants in wastewater; air-purification catalysts; and other energy or environmental applications. Researchers are encouraged to submit relevant studies with an emphasis on the application of catalysts for environmental purification of future energy synthesis.

### Guest Editors

Dr. Derek Hao  
Dr. Wenjun Jiang  
Dr. Xiaojuan Bai

### Deadline for manuscript submissions

closed (20 August 2023)



## Materials

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## About the Journal

### Message from the Editorial Board

*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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