

## Special Issue

# PEMFC Materials: Fabrication, Characterization and Applications

### Message from the Guest Editors

Proton exchange membrane fuel cells with high power density have been in high demand in recent years. The electrochemical performance of PEMFCs is intensively dependent on the catalyst and proton exchange membrane. Meanwhile, the heat and mass transfer in the porous electrode plays a key role in improving the power density. A gas diffusion layer with balanced water management capacity, bipolar plate with high electrical conductivity, mechanical property, and high anticorrosion performance are essential to the PEMFCs. Potential topics include, but are not limited to:

- Proton exchange membranes;
- Catalyst layer;
- Gas diffusion layer;
- Bipolar plate;
- Hydrogen storage materials.

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### Guest Editors

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### Deadline for manuscript submissions

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## Materials

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### 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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