Special Issue

Analysis of Electrode Materials

Message from the Guest Editor

Membrane electrodes are a core component of most electrochemical energy conversion systems. Their materials and structures directly determine the performance of the system. Understanding the kinetics of membrane electrodes is highly desired for developing new electrode materials and structures, which is also vital for the wide commercialization of electrochemical energy conversion systems with membrane electrodes.

- New electrode materials, structures, and methodologies
- Kinetic analyses in membrane electrode materials
- Numerical modeling of electrode materials and membrane electrodes
- Ex situ and in situ measurement of electrodes or electrode materials
- Potential or novel catalysts for membrane electrode materials
- Characterization of electrode materials in three-electrode cells or electrochemical devices
- Large-scale production of membrane electrode materials

Guest Editor

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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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