Special Issue

Advance in Novel Nanostructured Metal Oxide Electrocatalysts

Message from the Guest Editors

Metal oxides (MOx) constitute a unique family of materials that exhibit extraordinary versatility in chemical composition, atomic structure, morphology and conformation. As a result, they display a wide variety of exceptional electrical, catalytic, optical, magnetic, and mechanical properties to cover a wide range of applications. In the last few decades, the progress in nanotechnology has made possible the design and optimization of these materials at the nano-scale (in terms of forms and shapes—particles, tubes, fibers, etc.—, crystallinity, composition, films thickness, pores, defects, roughness, etc.), causing an outstanding enhancement of their known properties or bringing about new ones.

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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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