Special Issue

Advances in Transition Metal Oxides for Energy- and Electronic-Related Applications

Message from the Guest Editor

Transition metal oxides have a wide range of applications in energy- and electronic-related fields due to their intrinsic electronic, magnetic, and catalytic properties. They have applications in batteries, solar cells, fuel cells, gas sensors, electrochromic devices, and hydrogen electrode production or harvesting. Nanomaterials can improve the properties of the bulk counterparts. Overall, transition metal oxides have shown great potential in energy- and electronic-related applications due to their unique properties and versatility in various fields. Thus, we would like to receive works that can contribute to the evolution of new devices in energy and electronic applications.

Guest Editor

Dr. Bartolomeu Cruz Viana
Department of Physics, Federal University of Piaui, Teresina 64049-550, Brazil

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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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2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma
State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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