



*materials*



an Open Access Journal by MDPI

## Advance in Novel Nanostructured Metal Oxide Electrocatalysts

Guest Editors:

### **Dr. César Quijada**

Departamento de Ingeniería Textil  
y Papelera, Universitat  
Politécnica de València, Pza  
Ferrándiz i Carbonell, E03801  
Alcoy (Alicante), Spain

### **Dr. Raul Berenguer**

Departamento de Química Física  
e Instituto Universitario de  
Materiales, Universidad de  
Alicante (UA), Apartado 99,  
E03080 Alicante, Spain

### **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.

Deadline for manuscript  
submissions:

**closed (31 December 2021)**



[mdpi.com/si/58539](https://mdpi.com/si/58539)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

Materials Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)