



Catalysts: Preparation, Catalytic Performance and Catalytic Reaction

Collection Editors:

Prof. Gina Pecchi

Faculty of Chemical Sciences,
University of Concepcion,
Concepcion, Chile

Prof. Cristian H. Campos

Department of Physical
Chemistry, University of
Concepcion, Concepcion, Chile

Message from the Collection Editors

The aim of this Special Issue is to cover the promising recent research and novel trends in the fields of the preparation of catalysts that reach the thermodynamic equilibrium faster with the lowest energy supply to be used in catalytic processes with academic and industrial interest. Full papers, short communications, and reviews in the field are welcome. Mini-reviews with an overview on the state-of-the-art with future perspectives and trends in this domain will be also considered.

The editors welcome contributions increasing the role of catalysts in environmental protection without any restrictions regarding the nature of the catalyst and the preparation method.

Keywords

- catalysis
- catalytic performance
- catalytic reaction
- characterization
- synthesis





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

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)