







an Open Access Journal by MDPI

# **Advances in Catalytic Materials**

Guest Editor:

#### Dr. Davide Ferri

Catalysis for Energy, Paul Scherrer Institut, CH-5232 Villigen, Switzerland

Deadline for manuscript submissions:

closed (28 February 2013)

### Message from the Guest Editor

Dear Colleagues,

Catalysts, heterogeneous or homogeneous, play a central role in present industrial production and will remain crucial for the development of novel processes based on the use of renewable feedstocks and of novel process technologies (e.g. photocatalysis). This issue wants to focus on various aspects of catalytic materials, from their synthesis to the structural characterization including the structure under reactive conditions, from the final application to the development of theoretical models to describe them.

Therefore, manuscripts covering these topics will be suitable for publication in the special issue dedicated to advanced catalytic materials.

Dr. Davide Ferri Guest Editor













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, OC H3A 0C7, Canada

## **Message from the Editor-in-Chief**

Materials (ISSN 1996-1944) was launched in 2008. The iournal covers twenty-five comprehensive biomaterials, energy materials, advanced composites. advanced materials characterization, porous materials, manufacturing processes and systems. 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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

#### **Contact Us**

Materials Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/materials materials@mdpi.com X@Materials\_Mdpi