Special Issue

Feature Paper in Section Catalytic Materials

Message from the Guest Editors

Heterogeneous, homogeneous, and enzymatic catalysis embraces all kinds of human activities and is fundamental in product design. Since the introduction of the concept of catalysts' role in chemistry by Berzlius in 1835, a multitude of catalytic materials and processes have been conceived, developed, and implemented: modern industry and society would not exist without catalysts. The present Special Issue aims to collect featured research and review articles in the various domains of catalysis: homogeneous, heterogeneous, enzymatic, photo-, and electrocatalysis. Topics of interest for publication include but are not limited to:

- Petrochemistry;
- Environmental catalysis;
- Green catalytic processes;
- Catalysis in energy storage and production;
- Catalysts in pharma- and agro-industry;
- Photochemistry/photocatalysis;
- Electrochemistry;
- Biocatalysis

All these subjects can be approached from an experimental or theoretical point of view, deriving from academic studies or from industrial applications. The evaluation of socioeconomic and environmental impacts of catalysts in the various processes is welcome.

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Deadline for manuscript submissions

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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.

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