Special Issue

Nanocatalysts for Oxidation and Combustion

Message from the Guest Editors

This Special Issue aims at considering the state-of-the-art of oxidation catalysis and combustion processes over nanostructured materials and to emphasize recent advances in environmental catalysis, automotive catalysis, multiscale modelling, synthesis, and characterization of novel solid catalysts. Both academic and industrial views will be given for a better understanding of oxidation catalysis and for the future extent and trends of this domain in our society. A special emphasis on the synthesis and characterization of novel nanocatalysts will be provided, as well as challenges in oxidation reactions. Authors with expertise in these topics are cordially invited to submit their manuscripts to this Special Issue of the journal *Materials*. Significant original papers and review articles are welcome.

Keywords

- **Environmental Catalysis**
- **Catalytic Oxidation**
- **Soot Oxidation**
- **Nanostructured materials**
- **Zeolites and Porous Materials**

Guest Editors

Prof. Dr. Debora Fino

Dipartimento di Scienza Applicata e Tecnologia, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy

Dr. Marco Piumetti

Department of Applied Science and Technology, Polytechnic University of Turin, Turin, Italy

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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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About the Journal

Message from the Editorial Board

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.

Editors-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

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

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