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Nanocatalysts for Oxidation and Combustion

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closed (31 March 2021)

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**

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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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