Special Issue

Photocatalysts for Environmental Applications

Message from the Guest Editor

Research teams around the world aim at developing photocatalysts that can be effectively utilized for environmental applications. These materials can be suitable for the mitigation of pollutants in gas, liquid and solid phases. This Special Issue aims to collect quality papers about the preparation, characterization and application of photocatalytic materials. The collected articles will underline the surface, textural, structural, optical and electrochemical properties of these nanomaterials, and focus on the applicability of photocatalysts in either UV or visible light irradiation. Studies concerning on reaction mechanisms and kinetics of study photocatalytic reactions are also welcome. I am pleased to invite you to submit manuscripts for this Special Issue on "Photocatalysts for Environmental Applications", in the form of research papers, communications, letters, and review articles. We look forward to your participation in this Special Issue of *Materials*. Keywords

- photocatalyst preparation
- characterisation of photocatalysts
- reaction mechanism and kinetics
- photocatalytic decomposition of pollutants

Guest Editor

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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.

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