

## Special Issue

# Materials for Light-Assisted Catalytic Reactions

### Message from the Guest Editors

This Special Issue will address recent research in the field of materials development for light-assisted heterogeneous catalysis, where the light acts either directly as the heat source (photothermal) or complements the thermal provision of heat (photo-and-thermal). It is distinct from photocatalysis, as catalytic activity does not rely solely on the semiconducting properties of the support. The Editors welcome articles on light-absorbing (for heating purposes) catalysts/supports, plasmonic catalysts and other catalyst systems which function using combined light and thermal inputs. There are no restrictions to the nature of the catalyst preparation method nor the reaction to which the catalyst is applied. Keywords

- heterogeneous catalysis
- photothermal
- photo-and-thermal
- plasmonic
- solar
- illumination
- light-assisted

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 June 2022)



## Materials

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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.

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