

## Special Issue

# Advanced Science and Technology of Nano-Photocatalytic Materials

### Message from the Guest Editor

This Special Issue, titled “Advanced Science and Technology of Nano-Photocatalytic Materials”, addresses the environmental technologies and energy technology systems used for the purification of air, water, and the production of green energy and hydrogen with nanoscale photocatalytic materials. The areas of nanoscale-mixed oxide catalysts and innovative coating technologies for fixing materials are of particular importance here. The content of manuscripts submitted to this Special Issue should range from material synthesis and photochemical and physical material characterization to application studies using quantitative methods. Manuscripts which focus on bandgap engineering for the increased utilization of sunlight and direct electrical energy generation by photo-electrochemical cells based on nanomaterials are also welcome to be submitted.

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### Guest Editor

Prof. Dr. Tobias Schnabel

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### Deadline for manuscript submissions

closed (10 June 2025)



## Materials

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

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