

Special Issue

Advanced Materials for Solar Energy Utilization

Message from the Guest Editors

Photochemical technology can directly convert solar energy into electricity and chemicals, and it can degrade a wide range of organic pollutants into easily degradable intermediates or less toxic small molecular substances. It is regarded as one of the most important ways to solve the global energy shortage and environmental pollution problem. In addition, photochemistry may play a key role in fields such as green chemistry, energy production, or nanomedicine. Therefore, our aim in this Special Issue focuses on advanced solar-energy-utilization materials, including but not limited to photochemical materials for water splitting, CO₂ reduction, ammonia synthesis, photovoltaic, H₂O₂ synthesis, pollutant degradation, organic synthesis, etc. We look forward to receiving your contributions (both original research papers and reviews) soon, so we can present your excellent findings to a broad audience via open-access publication and provide the research community with new perspectives on advanced photochemical materials and their solar energy utilization.

Guest Editors

Dr. Xingwang Zhu

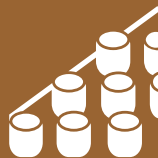
College of Environmental Science and Engineering, Yangzhou University, Yangzhou 225009, China

Dr. Tongming Su

School of Chemistry and Chemical Engineering, Guangxi University, Nanning 530004, China

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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 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.

Editor-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

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