

Special Issue

Photocatalysts: Synthesis, Mechanisms and Applications

Message from the Guest Editors

This Special Issue aims to bring together leading researchers to share their latest findings, insights and advancements. By highlighting novel synthesis techniques, mechanistic studies and innovative applications, this Special Issue seeks to provide a comprehensive overview of the current state of the field and stimulate future research directions. Contributions to this Special Issue will address the challenges, explore new frontiers and highlight the transformative potential of photocatalysis in solving global energy and environmental problems. The topics of interest include, but are not limited to, the following:

- Novel synthesis methods for photocatalysts;
- Nanostructured and hybrid photocatalysts;
- Advanced spectroscopic and computational methods for elucidating photocatalytic mechanism;
- Charge separation and transfer dynamics in photocatalysis;
- Photocatalysis in energy conversion and storage.

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