

Tentative Outline

Special Thematic Issue for the *Journal of Photocatalysis*

Artificial Photosynthesis for Photo(electro)catalytic Water Splitting

Guest Editors: Sheng Ye

• **Scope of the Thematic Issue:**

This thematic issue aims to provide comprehensive source of information on the design, development and application of photocatalytic/photoelectrocatalytic materials and technologies for sustainability. This thematic issue will publish 8-10 comprehensive reviews. Submissions to the thematic issue should contain an overview of recent developments in the field of photocatalysis, especially the key challenge and original perspectives. Potential topics are listed as follows.

- 1) Photocatalytic H₂ Evolution
- 2) Photocatalytic Water Oxidation
- 3) Photocatalytic Overall Water Splitting
- 4) Semiconductor Photocatalysis
- 5) Molecular Photocatalysis
- 6) Charge Separation and Transfer

Keywords: Photocatalysis, Semiconductor, Molecule, H₂ Evolution, Water Oxidation, Overall Water Splitting, Charge Transfer.

Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Photoelectrocatalytic H₂ evolution
- Photoelectrocatalytic Water Oxidation
- Photoelectrocatalytic Overall Water Splitting

Schedule:

- ◇ Thematic issue submission deadline:

Submission deadline: August 30, 2020.

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