Special Issue

Advances in Solar- and Visible-Light Photocatalysis

Message from the Guest Editor

Over the past thirty years, photocatalysis has become a very important scientific field due to its numerous technological applications. Photocatalysis is not only a clean technology for decomposing harmful compounds, but it can also be used for converting the energy of sunlight into hydrogen or for enabling the reduction of carbon dioxide. This Special Issue is devoted to all topics related to the preparation of photocatalysts and their applications. Topics include, but are not limited to:

- Photocatalyst engineering;
- Nanotechnologies for water, air, and soil remediation;
- Structural properties of photocatalysts;
- Growth and assembly techniques;
- Surface properties;
- Solar energy applications;
- Visible light active photocatalysts;
- Water splitting;
- Carbon dioxide reduction.

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