



## Nanomaterials for Photocatalytic Degradation of Pollutant and Hydrogen Evolution

Guest Editor:

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### **Message from the Guest Editor**

Photocatalytic degradation and hydrogen production has been developed over decades and is considered a green and advanced technology in the environmental and energy fields. Now, efficient visible light absorption and the rapid separation of photogenerated electron–hole are the main factors to improve their photocatalytic efficiency. Therefore, the generation, transfer, and reaction of the photogenerated carries has become the core content of photocatalytic research. In general, photogenerated electrons and holes can be modulated by controlling composition, morphology, surface defects, surface coordination environment, and composite catalysts.

This Special Issue of *Nanomaterials* aims to delve deeper into the mechanisms and processes of photocatalytic degradation and hydrogen production. This field has developed rapidly in the past 20 years and has attracted the attention of a large number of researchers. The relation between the surface properties of photocatalysts and their catalytic performance is of particular interest.





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## Message from the Editor-in-Chief

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