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Photocatalytic Materials for Energy and Environmental Applications

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Message from the Guest Editors

The purpose of this Special Issue, entitled "Photocatalytic Materials for Energy and Environmental Applications", is to cover promising recent research and novel trends in the field of photocatalysis, mainly in the frame of pollution control and energy production. Welcome are studies addressing challenges in photocatalysts's development, such as the improvement in synthesis and characterization methods, the optimization of composition and properties for a given application, and also the investigation of kinetic and mechanistic aspects. Additionally, the design of reaction systems to work under solar light, to increase the light contact efficiency or to achieve processes intensification, are also regarded as interesting topics. The potential of photocatalysis for transformations in gas and liquid phase is vast, but this issue is particularly focused in applications in which the target is either the removal of pollutants or the production of energy vectors like hydrogen or other fuels.

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Special Issue



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Message from the Editor-in-Chief

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