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New Trends in Photocatalytic Applications with Alkaline Earth Metal Titanates

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Deadline for manuscript submissions:
closed (7 July 2023)

Message from the Guest Editors

Dear Colleagues,

Heterogeneous photocatalysis is a promising method to treat a wide variety of environmental pollutants. It is an extensively investigated research area; moreover, semiconductor oxides already have industrial applications. Alkaline earth metal titanates, a novel group of semiconductors, have attractive application prospects due to their unique properties, making them suitable for pollutant degradation, CO_2 reduction, H_2 generation, energy storage, and fuel cells, just to name a few. However, there are still many unanswered questions regarding the causal relationship between their structural and photocatalytic properties.

This Special Issue aims to collect papers concerning the design, synthesis, and characterization of alkaline earth metal titanates, as well as focus on their applicability. I am pleased to invite you to submit manuscripts for this Special Issue on “New Trends in Photocatalytic Applications with Alkaline Earth Metal Titanates” in *Catalysts*.