Special Issue

Advances in Photocatalysis for Environmental Pollutant Removal

Message from the Guest Editor

Photocatalytic technology provides promising solutions to the increasingly severe environmental challenges seen across the globe. Developing photocatalysts that meet these needs is crucial. In the past decade, various materials, including inorganic semiconductors and organic semiconductors, have been explored for use in photocatalytic applications. In recent years, organic semiconductor photocatalysts have received widespread attention due to the ease of regulating their structure and function through molecular design. These organic photocatalysts include carbon nitrides, covalent organic frameworks, polymers, triazine-based frameworks, and conjugated materials, as well as their hybrids and composites. This Special Issue aims to emphasize the structural regulation and performance optimization of these materials as photocatalysts and demonstrate their wide range of applications in environmental remediation. We are pleased invite you to submit research articles and reviews that focus on recent experimental and theoretical results related to the preparation, structure–property characterization, and application of photocatalysts in the environment.

Guest Editor

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Editor-in-Chief

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