



Preparation, Mechanism and Application of Photo and Electrocatalytic Materials

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Message from the Guest Editors

The issues related to energy crises and environmental pollution have worsened with the continued and fast growth of industry and civilization. A serious concern is posed by the worldwide water shortage brought on by the rapid development of businesses and the depletion of freshwater supplies as well as energy concerns. Additionally, freshwater that may be used for drinking is becoming tainted, and the development of organic pollutants in aquatic environments—known for their mobility, toxicity, and persistence—poses serious hazards to ecosystems, human health, and other living things. Therefore, before water is drunk or used, it must be treated by removing dangerous contaminants, including organic dyes, antibiotics, and more. Catalysis for energy production and production is a major concern of the current century. Clean and green hydrogen, along with its derivatives, is one global challenge to attain zero carbon economy. Rigorously developing functional photo and electrocatalysts for pollutants degradation and energy conversion is a necessity to sustain our planet, life, and ecosystems. We welcome research papers, communications, and reviews which focus on this topic.





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Message from the Editor-in-Chief

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