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Nanomaterials in Photo(Electro)catalysis

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Message from the Guest Editors

Photoactive nanomaterials are receiving increasing attention due to their potential application in light-driven redox processes for the degradation of water and gas-phase pollutants and in the field of energy conversion and production. Modern material science offers a toolbox to finely tune nanomaterial size/shape-dependent chemical-physical properties, thus allowing one to fully exploit the great potential of photoactive materials.

This special issue intends to outline the recent advances in the field of photoactive nanomaterials for the degradation of pollutants; for energy conversion; and for energy production assisted by UV, visible, or solar light. The contribution of original research manuscripts or relevant critical review articles in this scientific field is both welcome and important for the current issue.



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Special Issue