

Special Issue

State-of-the-Art of Heterostructured Photocatalysts

Message from the Guest Editor

In recent years, semiconductor-mediated photocatalysis has received notable attention due to the high value of this process, both for the development of renewable energy technologies and for environmental remediation. To decrease charge carrier recombination and increase the visible-light absorption of photocatalysts, numerous strategies have been developed, among which heterojunctions are the most investigated. This Special Issue will highlight recent advancements made in heterostructured photocatalysts and the various related mechanisms (type-I or type-II heterojunctions, p-n heterojunctions, S-schemes, Z-schemes, p-n heterojunctions, etc.) to improve photocatalytic performance.

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