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State-of-the-Art of Heterostructured Photocatalysts

Guest Editor:

Prof. Dr. Raphaël Schneider
Université de Lorraine, CNRS, LRGP, F-54000 Nancy, France

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Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Raphaël Schneider
Guest Editor