

Special Issue

Solar Fuels Production by Artificial Photosynthesis

Message from the Guest Editors

Solar fuels production by artificial photosynthesis, comprising water splitting, photoreforming, and CO₂ reduction via photocatalysis and photoelectrochemistry, is among the most important emerging technologies to address the challenges that humanity faces today on the way towards sustainable development. Catalytic materials—photocatalysts and photoelectrodes—lie at the heart of these processes, being able to harvest (sun)light, separate charge carriers, and promote reactions of interest on their surface. Accordingly, remarkable research effort is being devoted to the development of these catalysts. This Special Issue aims at gathering current scientific advancements in this area, with a special focus on catalysts and devices.

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