



Electrocatalysis/Photocatalysis for CO₂ Conversion, H₂ Production, and Pollutant Removal, 2nd Edition

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Message from the Guest Editors

Electrocatalysis/photocatalysis are the acceleration of electroreactions/photoreactions via heterogeneous electrocatalysts/ photocatalysts to produce valuable chemicals or decompose harmful materials. Above all, electrocatalysis/photocatalysis have been considered as promising strategies for CO₂-derived chemical and H₂ production, which could provide various approaches to alleviate serious environmental problems.

This Special Issue will provide information about novel advanced electrocatalysts/photocatalysts for efficient CO₂ conversion, H₂ production, and pollutant removal. Thus, we welcome papers focusing on diverse synthesis methods and novel designs of crystal structures for electrocatalysts/photocatalysts to improve their electrochemical/photochemical performance with high stability, as well as theoretical reaction mechanisms at the molecular level occurring on well-designed catalytic surfaces. We encourage the submission of all types of papers including communications, research, and review papers covering all topics of innovative electrocatalysts/photocatalysts and their environmental applications.

