Special Issue

Advances in Inorganic–Organic Composite Photocatalysts for Energy and Environmental Applications

Message from the Guest Editors

Inorganic–organic composite catalysts have attracted much attention in photocatalysis due to their integrated advantages and especially their improved photocatalytic activity and stability. Commonly, the composite systems are composed of inorganic semiconductors (TiO2, Cu2O, BiOCl, BiVO4, CdS, Ta3N5, etc.) and organic materials including polymer carbon nitride (g-C3N4), metal–organic frameworks (MOFs), covalent organic frameworks (COFs), hydrogen-bonded organic frameworks (HOFs), and conductive polymers (polyaniline, polypyrrole, polythiophene). In this Special Issue, we invite scholars to submit original research articles and critical reviews that focus on the latest advancements and challenges in inorganic–organic composite photocatalysts including material designs, advanced characterizations, and insights into the reaction mechanisms. **keywords:**

- photocatalysts
- inorganic–organic composites
- photocatalysis
- Solar fuels production
- pollutant degradation

Guest Editors

Dr. Qiang Wang

2020 X-Lab, Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, Changning Road 865, Shanghai 200050, China

Dr. Xiaoqiang Zhan

Institute of Micro/Nano Materials and Devices, Ningbo University of Technology, Ningbo 315211, China

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Inorganics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
inorganics@mdpi.com

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, UK

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