Special Issue

Photocatalytic Materials and Photocatalytic Reactions, 2nd Edition

Message from the Guest Editors

Photocatalysis is one of the most promising strategies for addressing severe issues regarding the environment and energy, and consequently attracts extensive and ongoing attention. Designing more efficient advanced photocatalytic materials and exploring green, carbon neutral photocatalytic reactions are both highly significant for promoting sustainability. Low-dimensional nanomaterials are rising stars in photocatalysis due to their unique and fascinating properties, encompassing inorganic nonmetallic materials, MOFs, LSPR materials, various nanocomposites, etc. This Special Issue focuses on designing advanced photocatalysts, understanding their structure-dependent properties, and seeking to exploit them in the fields of energy conversion, pollutant degradation, artificial photosynthesis, organic synthesis, etc.
Prof.

Guest Editors

Prof. Dr. Sugang Meng

Key Laboratory of Green and Precise Synthetic Chemistry and applications, Ministry of Education, College of Chemistry and Materials Science, Huaibei Normal University, Huaibei 235000, China

Prof. Dr. Bo Weng

Institute of Urban Environment, Chinese Academy of Sciences, Xiamen 361024, China

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

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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