



materials



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Advanced Materials for Solar Energy Utilization

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Message from the Guest Editors

Photochemical technology can directly convert solar energy into electricity and chemicals, and it can degrade a wide range of organic pollutants into easily degradable intermediates or less toxic small molecular substances. It is regarded as one of the most important ways to solve the global energy shortage and environmental pollution problem. In addition, photochemistry may play a key role in fields such as green chemistry, energy production, or nanomedicine. Therefore, our aim in this Special Issue focuses on advanced solar-energy-utilization materials, including but not limited to photochemical materials for water splitting, CO₂ reduction, ammonia synthesis, photovoltaic, H₂O₂ synthesis, pollutant degradation, organic synthesis, etc. We look forward to receiving your contributions (both original research papers and reviews) soon, so we can present your excellent findings to a broad audience via open-access publication and provide the research community with new perspectives on advanced photochemical materials and their solar energy utilization.



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Special issue



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Message from the Editor-in-Chief

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