

## Special Issue

# Advanced Metal-Organic Frameworks-Based Materials: Photocatalytic Properties and Their Applications

### Message from the Guest Editor

Metal-organic frameworks (MOF), as a class of newly emerged crystalline coordination network built from metal ions and organic bridging ligands, possess abundant unique properties, such as tunable structures, tailorable functionalities, high porosity, large surface areas, intriguing framework architectures, and high chemical/mechanical stability. MOF-based materials have been widely investigated and applied in catalysis, energy storage and conversion, and gas storage and separation. In recent years, MOF-based materials have become a powerful platform to construct efficient photocatalyst systems with diverse and even incompatible functionalities because of their unique excitation and charge transition mechanisms. This Special Issue intends to present some of the most relevant progress on the design and development of MOF-based materials and their photocatalytic applications. The Special Issue will significantly benefit from the contribution of original research articles and critical review articles in this scientific field.

### Guest Editor

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### Deadline for manuscript submissions

closed (10 June 2023)



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CiteScore 6.4  
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### Message from the Editor-in-Chief

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