



## Molecule-Based Crystalline Materials, 2nd Edition

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

Molecule-based crystalline materials, including metal-organic frameworks (MOFs), covalent-organic frameworks (COFs), and supramolecular organic frameworks (SOFs), possess a highly specific surface area, well-defined and ordered pores, variable structures, and tunable chemical functionalities, attracting great attention for their potential application in molecule adsorption and separation, photo/electrocatalysts, biomedical engineering and optical/electric devices and sensors, and so on. This Special Issue aims to provide an overview of the recent discoveries of the synthesis and functions of molecule-based crystalline materials, including new MOF, COF, SOF, and other molecule-based complex designs, the study of their growth mechanics, and their potential application in a broad range of fields.

Prof. Dr. Zhi-Gang Gu  
*Guest Editor*





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## Message from the Editor-in-Chief

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