Special Issue

Design and Synthesis of Metal-Organic Framework Materials

Message from the Guest Editor

In the synthesis of MOFs, due to their diverse metal centers and organic ligands, most metals can be used for the construction of MOFs, including the main group, transition, and lanthanide metals; the introduction of various functional groups can change the surface and pore environment properties of MOFs, affecting their physical and chemical properties. Historically, through the use of specific substituents to modify organic ligands, a variety of functionalized MOFs can be obtained for application in various specific fields due to their inherent high porosity, large specific surface area, high chemical stability, and adjustable porous structure.

Guest Editor

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Editor-in-Chief

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