



Current Trends in Metal-Organic Framework for Environment and Catalysis

Guest Editor:

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Message from the Guest Editor

In recent years, metal-organic frameworks (MOFs) have been recognized as an emerging class of crystalline porous materials and attracted tremendous interest. Numerous MOFs have been developed, and highly promising materials have been found in a wide variety of fields because of their structural, textural, and functional diversity and tunability. Current trends in MOF research have mostly focused on finding the way to use this fascinating class of materials in the real world. Different kinds of advanced devices/systems exist for gas storage/separation, adsorption in polar/non-polar media, molecular sensing, drug storage/delivery, and catalysis using MOFs directly or after necessary modification.

This Special Issue on “Current Trends in Metal-Organic Framework for Environment and Catalysis” welcomes original scientific research articles, comprehensive reviews, and communications in relevant research areas focusing on the design, synthesis, and characterization of MOFs (pristine, bimetallic, and composites) and their derived carbons for environmental remediation through adsorption, storage/separation, catalysis, and sensing.





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Message from the Editor-in-Chief

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