



MOFs Catalyst for Energy-Related Reactions

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Message from the Guest Editor

Metal organic frameworks (MOFs) is a kind of porous material, which attracts considerable attention from scientists and engineers in recent years. All kinds of MOFs materials are widely used as the catalyst or the support of active sites in many energy-related reactions such as oxidative desulfurization of fuel, the conversion of biomass, the generation of hydrogen, etc. Some reactions are conducted in conventional catalysis system, others are conducted with the aid of light source or electric field.

This Special Issue invites original papers reporting recent progress in using MOFs as catalysts in energy-related reactions that exist in the conversion and utilization of fossil energy, biomass, solar energy and electric energy. This issue also welcomes focused review articles that examine the state of the art and suggest future directions for developing MOF catalysts in energy-related reactions.

- metal organic frameworks
- MOFs
- energy
- catalyst
- support
- biomass
- generation of hydrogen
- oxygen reduction reaction
- hydrogen evolution reaction

