



Single-Atom Catalysts and MOF/COF Materials for Catalytic Application

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Message from the Guest Editors

In recent decades, single-atom catalyst (SAC), metal-organic framework (MOF) and covalent organic framework (COF) materials have brought about broad interest in regard to their catalytic applications. Due to their intrinsic nature, MOFs can act as hosts for the incorporation of metal nanoparticles, or as precursors for the manufacture of SACs, carbon-based materials and those active in catalysis, energy conversion and storage processes, offering great opportunities for the design of functional materials. COFs have expanded the scope of reticular synthesis from MOFs to purely organic counterparts, possessing advantages such as a large surface area, structure tunability, high porosity and excellent stability when directly utilized as catalysts or as support for constructing catalysts. Therefore, we invite the scientific community to contribute to this Special Issue in the form of research or review articles exploring SAC, MOF and COF materials with desirable properties for catalysis, energy conversion and storage.

