



Synthesis and Application of Nano-Catalyst

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Message from the Guest Editors

Dear Colleagues,

Nano-catalyst is an indispensable part of heterogeneous catalysis, which is widely used in energy storage, clean energy, environmental protection and the synthesis of new materials. The preparation of catalysts with high activity, selectivity and stability is an important application of nanotechnology in the field of catalysis.

This Special Issue aims to encompass original scientific papers, short communications, and reviews on innovative approaches for nano-catalyst preparation without any restrictions regarding the types of catalysts (zeolites, supported metals, MOFs, clays, carbons, nanotubes, structured catalysts, immobilized homogeneous catalysts, nanoreactors, membranes, etc.). Besides classical methods of preparation (hydrothermal synthesis, sol-gel methods, impregnation, precipitation, etc.), the editors also anticipate contributions addressing less conventional methods such as surfactant assisted preparations, mechanochemical or plasma activation, ALD, CVD, flame and combustion methods, application of ultrasound, etc.

The editors especially welcome contributions in such emerging areas as numerical and theoretical approaches in catalyst preparation.





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Message from the Editor-in-Chief

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