Special Issue

Preparation of Metal Nanoparticles and Their Application in Catalysis

Message from the Guest Editor

Catalysis is useful in the area of synthetic chemistry for performing classical reactions under milder conditions with dramatically enhanced yields and shorter reaction times. In the past two decades, numerous kinds of metal nanoparticles that have been prepared by various chemical and physical methods have been developed, and metal nanoparticles have been demonstrated to be efficient catalysts for various reactions. The present Special Issue focuses on recent research in the preparation and catalytic application of metal nanoparticles. Research topics may include (but are not limited to): soluble metal nanoparticles, colloids, heterogeneous metal nanoparticles, nano-alloys, core-shell particles, the understanding of reaction mechanism, and the search for original and relevant catalytic activities.

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