

Special Issue

Synthesis, Applications, and Chemical Measurements of Nanomaterials in Catalysis

Message from the Guest Editors

As an important catalyst in heterogeneous catalysis, nanomaterials are widely used in fine chemical synthesis, environmental remediation, renewable energy development, efficient biotransformation, and other areas of interest. Recently, as well as their use in thermally catalytic reactions, nanoscale catalysts play an increasingly significant role in other kinds of catalysis, such as electro-, photo-, and enzyme-mimicking catalysis. This Special Issue is dedicated to original, novel, and high-impact contributions looking at recent advances in the use of emerging nanocatalysts for a wide variety of applications, as well as experimental and computational studies on the characterization and measurement of nanomaterial-based catalysts and catalytic reactions. Contributions related to photocatalysts, electrocatalysts, nanozymes, organic chemical transformation, CO₂ conversion, N₂ fixation, and energy conversion are also welcome in this issue. Rapid communications, original research articles, and review articles are all accepted.

Guest Editors

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