Special Issue

New Insights into Synergistic Dual Catalysis

Message from the Guest Editors

Currently, an important issue in catalysis area is the development of catalysts with dual active sites, which work synergistically for performance enhancement. The syngersitic dual catalysis is a situation in which, when two catalytic active sites are combined in a catalyst, their catalytic performance exceeds that of a single active site counterpart. This synergistic effect can significantly improve the efficiency and selectivity of the catalyst, promoting the progress of chemical reactions. Catalysts with dual active sites can catalyze various chemical processes, such as photocatalytic reactions, electrical reactions as well as the traditional thermal-driven catalytic reactions. Desing of efficient catalysts with dual acitive sites is the key study. Unraveling the underlying mechanism of the dual catalysts in a specific reaction is of great significance for the rational design of better catalysts. This Special Issue will present the most recent and significant developments in synergistic dual catalysis. Original papers on the above topics and short reviews are welcome for submission.

Guest Editors

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