Special Issue

Zn-based Catalysts for Chemical and Fuel Conversions

Message from the Guest Editor

It has become increasingly important to reduce the world's dependency on oil and secure its future energy. This would require an efficient and economically feasible conversion of coal and natural gas into chemicals. These chemical conversions require robust, active, and selective catalysts that could convert these fuels either directly, by a non-oxidative route, or indirectly, by an oxidative route, into valuable chemicals. Understanding the relationship between structure and reactivity of a catalyst is essential for developing new catalysts. The goal of this Special Issue is to explore the recent work on Zn-based heterogenous catalysis in the field of CO/CO2 hydrogenation, dehydroaromatization of natural gas, reduction of CO2/NOx and control of their emissions, and CO2-fixation into epoxides. Submissions in the form of original research papers, reviews, and short communications are encouraged to this Special Issue on "Zn-based catalysts for chemical and fuel Conversions".

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