

Special Issue

Catalysts for Ammonia Decomposition

Message from the Guest Editor

Currently, a greater awareness of world governments is leading towards independency from fossil fuels, especially those of unreliable origins. The shift towards renewable energy will require not only the conviction needed to drive clean energy transitions through both legal and political innovations, but also flexibility in addressing future uncertainties of the global energy market. Ammonia is an ideal hydrogen carrier that can facilitate the transportation of hydrogen from remote places. Over the past few decades, there have been a limited number of research efforts focussed on the design of catalysts for ammonia decomposition. Centralised and de-centralised plant concepts with different operating conditions and driven largely by economies of scale will be required in the near future; therefore, there is a need for reliable catalyst technology to fulfil these demands. We welcome contributions dealing with all kinds of catalyst technologies for ammonia decomposition, aiming towards an improved understanding of the reaction mechanisms and exploring cost reduction, stability and related issues.

Guest Editor

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