

Special Issue

Catalytic Activity of Metal Oxides Supported Catalysts in Dry Reforming Process

Message from the Guest Editors

Dry reforming takes place in the presence of catalysts. Commercially used catalysts are based on nickel particles due to their high activity and its relatively low price. However, DR reaction conditions favour sintering of the active particles and coking of the catalyst. The size, shape and composition of catalytic materials are crucial factors determining the activity and stability. Therefore, developing new catalysts with a high activity and catalytic stability is undoubtedly still a scientific challenge and of special interest. The Special Issue will gather research articles and short reviews related to the dry reforming of carbon and hydrogen-containing molecules (e.g., hydrocarbons, diols, alcohols, plastics), including developing new catalysts for DR of desired morphology, investigation of process parameters, investigation of catalysts' synthesis routes and studies on the stability of materials in under DR conditions. Computational studies on catalysts within the above scope are also welcome.

Guest Editors

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Deadline for manuscript submissions

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