

Special Issue

Metal Dispersed on Porous Supports as Catalysts for Methane-Related Reactions

Message from the Guest Editors

This Special Issue of “Metal Dispersed on Porous Supports for Dry Reforming of Methane” is devoted to the search for new catalysts based on porous supports for reforming of methane by carbon dioxide (DRM). Submissions to this Special Issue are welcome in the form of original research papers and/or short reviews that reflect the current state of research in the DRM field, from catalysts syntheses to characterizations and catalytic performances testing. The dry reforming of methane has gained significant importance in the last decade, because of its advantage of greenhouse gas (carbon dioxide) valorization. Present efforts target the use of metal active phases other than noble metals, which are rare and expensive, but they face carbon deposition and metal sintering phenomena at the high temperatures required by the reaction. The issue will be attractive to researchers whose activities belong to the areas of physical chemistry, materials science, or applied catalysis and are focused on the studies of dry reforming of methane catalysts. Contributions dedicated to the development of catalysis are also welcome.

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