



Supported Catalysts for Carbon Oxides Methanation

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Message from the Guest Editor

Very recently, an international agreement was reached on global efforts to reduce greenhouse gas emissions (Paris Climate Summit). The password for the future is *Decarbonation*. Conversion of methane by carbon oxides into useful products can contribute to a significant decrease in global warming and represents a paramount change in the global vision aimed at converting “spent carbon” into “working carbon”. CO_x methanation is a process of great interest in capture and storage (CCS) process and as renewable energy storage systems, based on a Power-to-Gas conversion process using SNG (Substitute or Synthetic Natural Gas) production. For this reason, research on CO_x methanation has intensified over the last 10 years. The design of active, stable, selective and cheap catalyst is the core of the methanation process.

