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Supported Catalysts for Carbon Oxides Methanation

Guest Editor:

Message from the Guest Editor

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Deadline for manuscript submissions: closed (30 November 2019) 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". COx methanation is a process of great interest in capture and storage (CCS) process and as renewable energy storage systems, based a Power-to-Gas conversion process using SNG on (Substitute or Synthetic Natural Gas) production. For this reason, research on COx methanation has intensified over the last 10 years. The design of active, stable, selective and cheap catalyst is the core of the methanation process.



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