Catalytic Oxidation of Methane

Message from the Guest Editor

This special issue will focus on the science and engineering of development of low-temperature catalysts (below 350 °C) for catalytic combustion of methane to carbon dioxide and water. Contributions on research and development in the following areas are welcome:

(a) Development of low-temperature catalysts and processes for methane combustion.
(b) Kinetics and mechanism of catalytic combustion of methane at low temperatures.
(c) Processes/methods to stop or minimize catalyst deactivation and sintering.
(d) Identification of surface species before/during/after catalytic combustion by XPS and other surface techniques.

Deadline for manuscript submissions: closed (30 November 2018)