Special Issue

Catalytic Removal and Resource Utilization of NOx

Message from the Guest Editor

As the major gaseous pollutants, nitrogen oxides like N2O, NO, and NO2 can be originated from the combustion processes in both stationary and mobile sources. They contribute to a series of environmental concerns including the greenhouse effect, which pose a tremendous threat to human health as well as the ecosystem around us. The selective catalytic reduction of NOx by NH3 under medium and low-temperature range used to be the research hotspot. However, the coexistence of H2O, SO2, and volatile organic compounds in practical circumstances poses a great challenge to the catalysts. In this context, the development of catalysts with high SO2 resistance, ammonium bisulfate resistance, and the synergistic NOx-VOC removal capability would be of great importance. With the aim of building better catalysts for a sustainable world, submissions to this special issue "Catalytic Removal and Resource Utilization of NOx" in the form of original research papers or short reviews regarding the following topics (Low-temperature NH3-SCR of NOx, SO2 resistance, Ammonium bisulfate (ABS) resistance, Synergistic NOx-VOCs removal, Resource utilization of NOx) are welcome.

Guest Editor

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Deadline for manuscript submissions

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