

Special Issue

Catalytic Removal and Resource Utilization of NO_x

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 NO_x 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 NO_x-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 NO_x” in the form of original research papers or short reviews regarding the following topics (Low-temperature NH₃-SCR of NO_x, SO₂ resistance, Ammonium bisulfate (ABS) resistance, Synergistic NO_x-VOCs removal, Resource utilization of NO_x) are welcome.

Guest Editor

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Deadline for manuscript submissions

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