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Nanocatalysts for Air Purification

Guest Editor:

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Message from the Guest Editor

Volatile organic compounds (VOCs) are some of the main causes of severe environmental pollution, such as fine particulate matter (PM2.5) and ozone (O_3). The catalytic degradation using nanocatalysts is a promising technology for the purification of these VOCs. This Special Issue focuses on the purification of odorous sulfur/nitrogen-containing VOCs or other odorous VOCs by using various types of nano/cluster/single-atom catalysts.

For this Special Issue, we invite contributions from leading groups in the field with the aim of providing a comprehensive and deep understanding of the current, state-of-the-art catalysts for the purification of odorous VOCs.

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Editor-in-Chief

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call "nanomaterials". These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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