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Advanced Nanomaterials and Nanodevices for VOCs Gas Sensor

Guest Editor:

Prof. Dr. Jiaqiang Xu
NEST Lab, Department of Chemistry, College of Science, Shanghai University, Shanghai 200444, China

Deadline for manuscript submissions:
closed (28 February 2023)

Message from the Guest Editor

We are pleased to invite you to join the 4th International Conference on Advanced Nanomaterials and Nanodevices (ICANN 2022), hosted online at http://www.icannd.org.

On the 100th anniversary of the founding of Shanghai University, the 4th International Conference on Advanced Nanomaterials and Nanodevices (ICANN 2022) will be hosted by Shanghai University from July 15 to 17, 2022. Scholars and people from all walks of life at home and abroad are sincerely invited to gather at ICANN for an academic feast and witness the century-old glory of Shanghai University. The theme of the conference focused on advanced nanomaterials, nanodevices and advanced nanomaterials as gas sensors for the detection of volatile organic compounds. In this Special Issue, original research articles and reviews are welcome.

Research areas may include (but are not limited to) the following:

- Advanced nanomaterials for VOCs gas sensing
- Advanced nanodevices for VOCs gas sensor
- Advanced characterization method for VOCs sensing mechanism
- Advanced calculation and theory analysis for sensing mechanism or data processing
- Advanced gas sensor application in safety, health, and environmental protection

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Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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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Contact Us

Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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