Special Issue

High-Performance Gas Sensors: Materials, Technologies and Applications

Message from the Guest Editor

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: (1) Room-temperature gas sensors; (2) Promotion strategies for gas-sensing performance; (3) Applications of gas sensors in the detection of respiratory markers; (4) Applications of gas sensors in food safety; (5) Photoactivated gas sensors; (6) Applications of photonic crystals in gas sensors; (7) The mechanism exploration of gas sensors based on first principles; (8) Applications of new 2D materials and their composites in gas sensors; (9) Integration and array of gas sensors; (10) Signal processing of gas sensors; (11) Simulation methods for gas sensors; (12) Optimization of device structure for gas sensors.

Guest Editor

Dr. Bo Zhang Department of Electronic Engineering, School of Internet of Things Engineering, Jiangnan University, Wuxi 214122, China

Deadline for manuscript submissions

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Prof. Dr. Flavio Canavero Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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