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Advanced Sensors in Hydrogen and Fuel Detection

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Deadline for manuscript submissions:
closed (15 April 2022)

Message from the Guest Editors

This Special Issue of *Chemosensors* focuses on recent advances and development in hydrogen and the detection of other fuels, including (but not limited to) methane, LPG, petrol, propane, and other energy-carrier gases. Papers regarding the characterization and metrological evaluation of the sensing performance of any kind of sensors are warmly welcome, including optical, magnetic, semiconductor, gravimetric, and surface acoustic wave sensors. Review manuscripts on the current state of the art and theoretical models on sensing mechanisms are also welcome.

Keywords

- Gas sensors
- Hydrogen
- LPG
- Methane
- Fuels
- Optical sensors
- SAW sensors
- Microbalance sensors
- Metal oxide, carbon, dichalcogenide-based sensors
- Magnetic sensors
- Micro and nanofabrication
- Gas sensing mechanism
- Leakage detection

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Message from the Editor-in-Chief

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Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

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