



sensors



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Electronic Nose and Artificial Olfaction

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Message from the Guest Editors

The olfactory system, a complex and intricate sensory mechanism, plays a pivotal role in our daily lives, influencing our perceptions, behaviors, and well-being. Over the years, the development of Electronic Nose (eNose) technology has been driven by the aspiration to replicate and enhance the olfactory capabilities of humans for various applications spanning industries. It is based on the use of gas sensors combined with pattern recognition methods. Both topics have made great advances in recent years and are worth reviewing in this Special Issue. Chemical sensors have improved their metrological parameters such as the limit of detection, the linearity of the response signal, sensitivity, selectivity, size, consumption, response time and repeatability. The second involved the development of advanced embedded or remote signal and data analysis techniques, including big data and cloud computing.



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Special Issue



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Message from the Editor-in-Chief

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