



## Front Researches of Micro/Nano Sensors and Actuators

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### Message from the Guest Editors

Micro/nano sensors and actuators have the advantage of having a simple structure, high accuracy, and good reliability, and are widely used in current precision instruments and equipment. Due to the fact that micro/nano sensors and actuators belong to MEMS systems, they are different from traditional general sensors and actuators and require higher precision manufacturing, design, simulation, experimental testing, etc. Generally, micro/nano sensors and actuators use functional materials to create driving and sensing components. In addition, for micro/nano sensors and actuators, research needs to be carried out based on specific application requirements. When conducting theoretical analysis, it is also necessary to consider the coupling problem caused by micro size, which does not necessarily need to be considered for general large size sensors and actuators. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that focus on novel methodological developments in micro/nano sensors and actuators, i.e., on novel process chains, including novel structures, manufacturing, systems, controlling methods and applications.





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