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2D Material Sensors

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Message from the Guest Editor

2D materials are an excellent platform for sensing near a surface. Due to the ultimate thinness of these materials, practically each atom or molecule of a device can be exposed to the environment, resulting in a strong change of properties in response to small analyte concentration changes. Since the sensing material can be very thin, it is usually also nearly transparent, flexible, and easily integrated into a device geometry. This Special Issue is dedicated to sensing with 2D materials.

The application space of 2D material sensors is very wide because they can be used to detect changes in biological, chemical, as well as physical properties in the environment. The Special Issue is open to submissions that address fundamental aspects of the material–environment interaction, such as its intensity, dynamics, microscopic origin, the role of defects, and other aspects, as well as the use of 2D materials as sensors for a specific application. Heterostructures of 2D materials are also of interest for this issue. Experimental, theoretical, as well as numerical results will all be considered.

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Message from the Editor-in-Chief

Welcome to *Condensed Matter* (ISSN 2410-3896)! It gives me great pleasure to invite you to publish in the journal. We are looking to build a collection of high quality research articles, supported by a community from across the field of condensed matter physics. In this task, I will be assisted by a highly qualified editorial board. We accept papers on basic research as well as applications, and experimental or theoretical work. Currently the journal is indexed by ESCI (Web of Science) and hope you can consider *Condensed Matter* as an exceptional home for your manuscript.

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