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Sensitive Materials for Advanced Sensing Technology

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Deadline for manuscript submissions:

closed (20 November 2023)

Message from the Guest Editors

Sensitive materials and sensing technology are at the interface of human society and the physical world. The unique compositions and structures render these materials responsive to ambient stimuli, such as chemical, light, temperature, electric voltage or current, mechanical stress, magnetic field, etc. Additionally, sensing technology offers various methods of utilizing these materials in solving the analytical problems of medicine, environment, food, industries, and security. The newly emerging nanotechnology and multidisciplinary intersection provide new opportunities in sensitive materials and sensing technology.

The scope of this Special Issue encompasses but is not limited to:

- The design and synthesis of sensitive materials with novel sensing properties;
- The design, fabrication, and optimization of (bio)sensors with an outstanding sensing performance;
- Novel (bio)sensing concepts, mechanisms, and detection methods;
- Advances of instrumental analysis, lab-on-a-chip, nanopores, etc.



mdpi.com/si/135536

Special Issue



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Message from the Editor-in-Chief

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