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Advanced Surface Plasmon Resonance Sensors

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Deadline for manuscript submissions:
closed (31 December 2024)

Message from the Guest Editors

Dear Colleagues,

The unique optical and electrical characteristics of nanomaterials and dielectric films have enabled the progress of applications such as localized surface plasmon resonance (LSPR) and surface-enhanced Raman scattering (SERS). Furthermore, lithographic patterning of nanopatterned structures has resulted in high spatial resolution surface structures, while improving system sensitivity. In this Special Issue, we would like to compile the most recent theoretical and experimental research results related to this measurement principle, sensing formats, fabrication techniques, integration with artificial intelligence, optimization, and applications of surface plasmon sensors in industrial situations.

Therefore, we invite you to submit original research or review articles for this Special Issue, with emphasis on the most recent advances in SPR, or LSPR-based chemosensors, and their applications to the examination of chemical and biological samples.

Dr. Erick Reyes-Vera
Dr. Kaiwei Li
Guest Editors

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Message from the Editorial Board

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