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Advanced Bio-Chemical Sensors Based on Plasmonic Nanostructures

Guest Editor:

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Deadline for manuscript submissions:
closed (20 June 2023)

Message from the Guest Editor

Surface plasmon is a unique optical phenomenon and has been widely used in chemical and biological sensing. By utilizing plasmonic nanostructures in various sensing platforms, high sensitivity and high selectivity can be realized in the sensing of many molecular compounds and biological substances. Therefore, the field of plasmonic nanostructure-based sensing has been growing rapidly.

The Special Issue will provide a forum for the latest research activities in the field of plasmonic nanostructure-based chemical and biological sensing. We welcome both review and research articles in, not limited to, following topics.

- New concepts of bio-chemical sensors based on plasmonic nanostructures;
- New sensing mechanisms based on plasmonic nanostructures;
- New plasmonic materials/nanostructures for bio-chemical sensing;
- Techniques to fabricate the sensing platforms based on plasmonic nanostructures;
- Integration of plasmonic nanostructures with other sensing platforms;
- Applications of plasmonic nanostructure-based sensors.

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Message from the Editor-in-Chief

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