

Nanophotonics and Plasmonics for SARS-CoV-2 Biosensing

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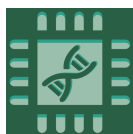
Message from the Guest Editors

SARS-CoV-2 is responsible for the ongoing outbreak of atypical pneumonia (COVID-2019) that has affected nearly 490 million people and killed over 6 million in more than 220 countries. The development of a highly sensitive and specific spectral method for the rapid detection of viruses, particularly SARS-CoV-2 strains, could reduce both the time and cost of detection, ensure earlier diagnosis, and save many lives. We are soliciting papers on nanomaterial-based surface-enhanced Raman scattering (SERS) spectroscopy, which has the capability for very low-level fingerprint identification of virus, antigen, and antibody via metasurfaces, plasmonic nanoparticles, and heterostructure material. Papers devoted to any other spectroscopes and photonic methods of SARS-CoV-2 sensing are most welcome.

Deadline for manuscript
submissions:

closed (25 August 2023)





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Message from the Editor-in-Chief

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