



Magnetoplasmonics Material and Devices

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 August 2019)

Message from the Guest Editor

The purpose of this special issue is to highlight the recent advances in the field of magnetoplasmonics. Topics covered include but not limited to:

- Theory and principle of magnetoplasmonics
- Theory and principle of magneto-optic surface plasmon resonance
- Synthesis of magnetoplasmonic core-shell nanostructured materials
- Theoretical modelling of magnetoplasmonics material
- Characterization of magnetoplasmonic materials
- Oxide and inverse spinel material-based magnetoplasmonics hybrid nanostructures
- Magnetoplasmonic nanocomposites, nanoparticles and nanocrystalline materials
- Si-based materials and magnetoplasmonics
- Magnetoplasmonic material-based biosensors, nanofluidic and nanofabrication
- Magnetoplasmonics and nanobiotechnology/nanobiomaterials and nanomedicine
- Magneto-optic surface plasmon resonance biosensors and potential applications
- Magnetoplasmonics materials for environmental monitoring, surveying, and imaging
- Photonic crystal based magnetoplasmonic devices
- Graphene-based magnetoplasmonic materials and devices





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Editor-in-Chief

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Message from the Editor-in-Chief

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