



Materials and Devices with Magneto-Optical Properties for Communication and Sensing

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Message from the Guest Editors

Dear Colleagues,

The development of new kinds of sensors, such as bio-magnetoplasmonic sensors for biomedical applications, and nano-devices, such as magnetoresistive random access memory, requires increased light-magnetic-matter interaction at the nanoscale, which combines the concepts of plasmonics with magnetism. The objective of this Special Issue is to highlight recent advancements in magneto-plasmonics from the standpoint of magneto-plasmonics with photonic spin Hall effect. This Special Issue is expected to be of particular interest to both the general physical community and researchers working on magneto-photonics, plasmonics, magneto-plasmonics-based modulators, spin wave and magnonic applications, magnetic nanostructure spectroscopy, and magneto-optical Kerr effect magnetometry.

