








Study of the polarization mode by reflection under the excitation of the superficial polariton plasmon on the prism structure

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Highlights

- The Kretschmann configuration Surface Plasmon Resonance performs multiple functions.
- The resulting polarization change is shown according to the amplitudes- Ψ and the phases- Δ .
- Different signals of the polarized light can be collected for a specific incident angle.
- Thin dielectric layer enables to perform functions such as including retarders, aligners and suppressors.

Abstract