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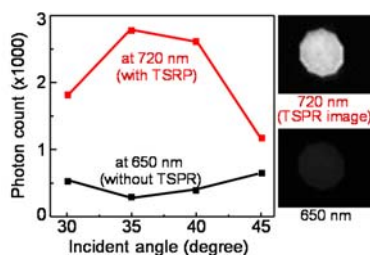
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Graphical Abstract



Abstract

The localized surface plasmon resonance of in-plane dipole plasmon resonance of silver nanoprisms was used to facilitate transmission surface plasmon resonance (TSPR). The TSPR signal was detected by a camera coupled with liquid crystal tunable filters. This technique was further utilized for the multiple detection of hydrogen peroxide.

Keywords: transmission surface plasmon resonance image; ; , metallic grating structure, silver nanoprisms

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