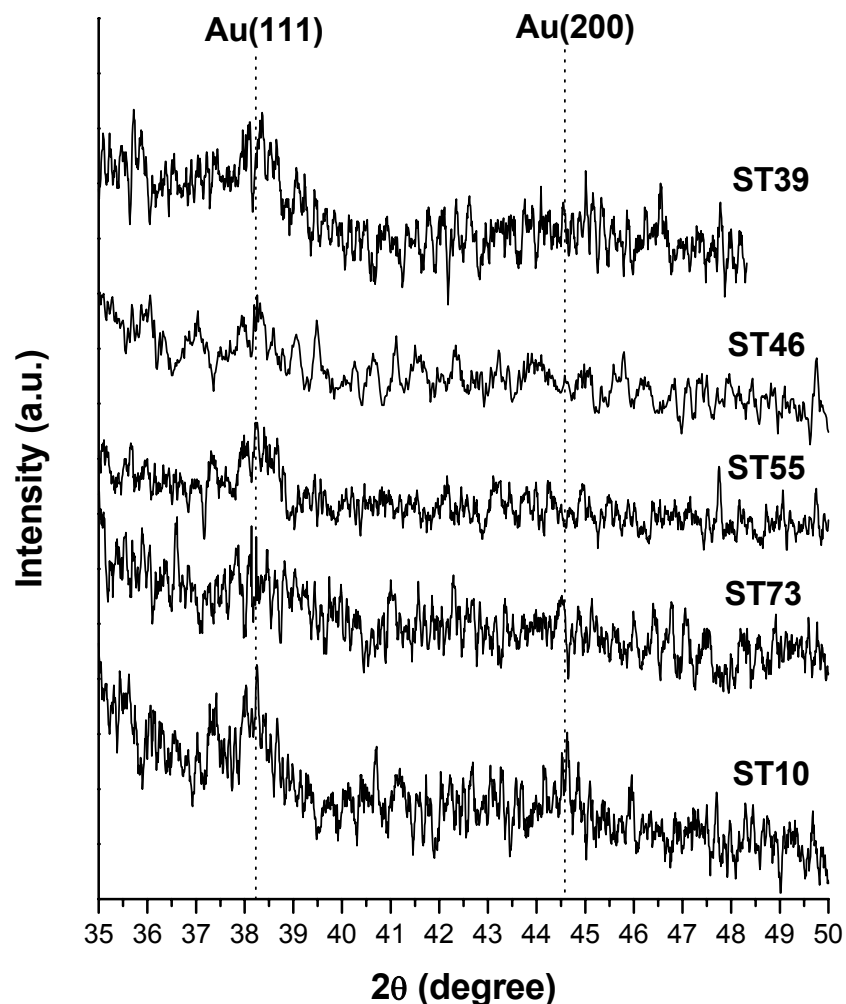


Synthesis of Au-nanoparticle doped SiO₂-TiO₂ films: tuning of Au-surface plasmon band position through controlling the refractive index



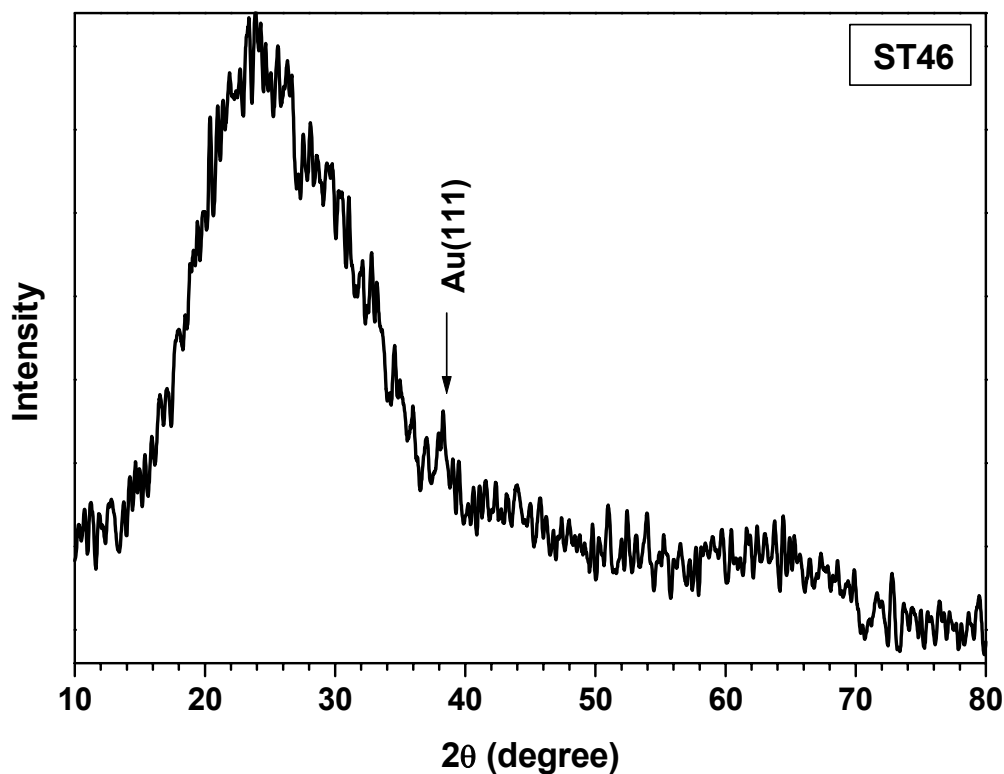
Supplementary Fig. A

X-ray diffraction spectra of the Au doped films heat-treated at 500°C. Peaks corresponding to Au (111) and (200) are shown.

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Supplementary Fig. B

X-ray diffraction spectrum of the Au doped ST46 film heat-treated at 500°C, showing absence of any peak related to the crystalline TiO₂ phases.

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