

## Supporting information

### Porous Silicon Decorated With Au/TiO<sub>2</sub> Nanocomposites for Efficient Photoinduced Enhanced Raman Spectroscopy

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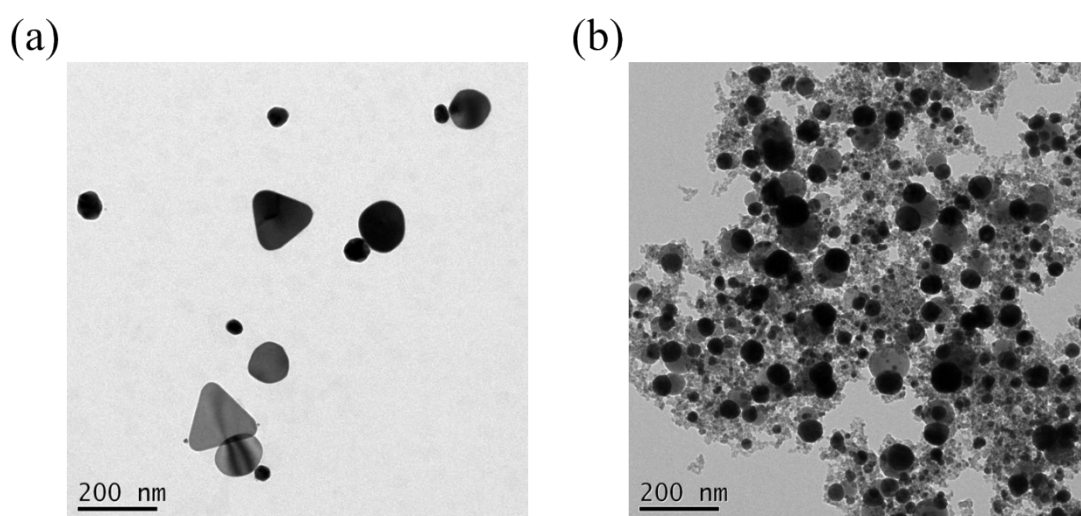


Fig. S1 Transmission electron micrograph (TEM) of (a) bare Au NPs and Au-TiO<sub>2</sub> NCPs fabricated using PLIP method.

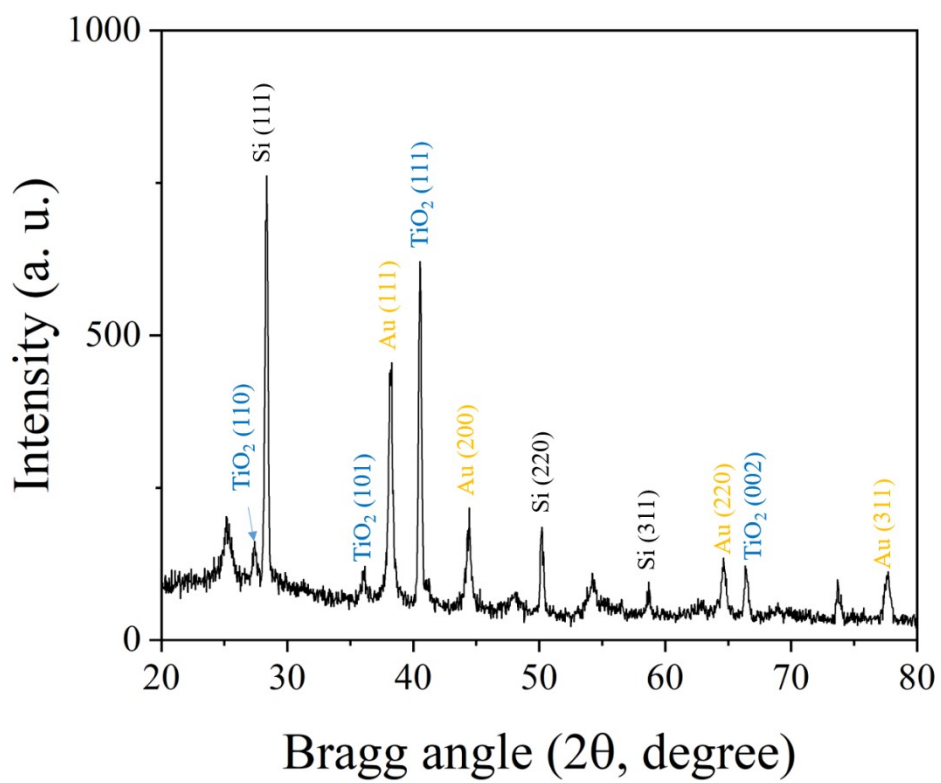


Fig. S2 X-ray diffraction (XRD) pattern of Au-TiO<sub>2</sub> NCPs on PSi fabricated using PLIP method.