

Supporting Information

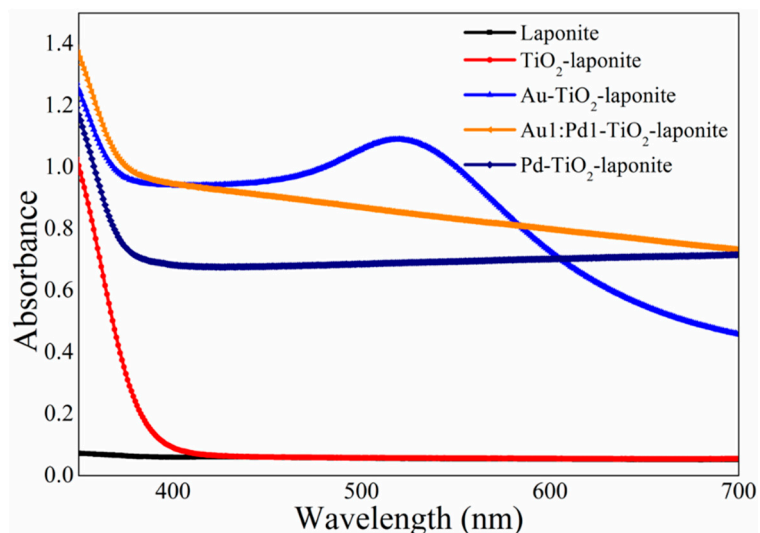


Figure S1. UV-Visible diffuse reflectance spectra of the metal loaded photocatalyst samples.

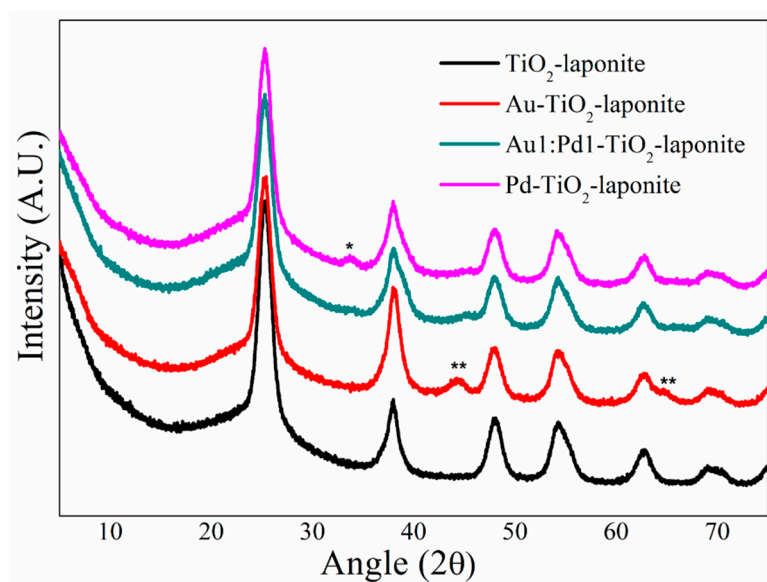


Figure S2. XRD peak patterns of the metal loaded photocatalyst samples. *—peak related to Pd ($2\theta = 34^\circ$), **—peaks related to Au [002], [022].

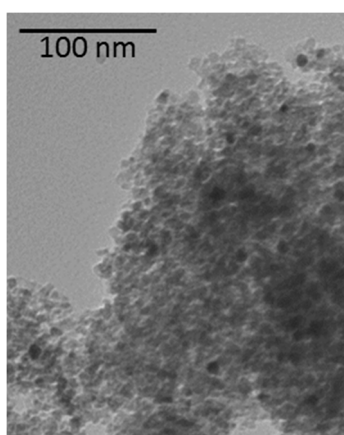


Figure S3. TEM image of 3% Au@TiO₂-S.