

Supporting Information: Self-assembly of Au-Fe₃O₄ hybrid nanoparticles using a sol-gel Pechini method

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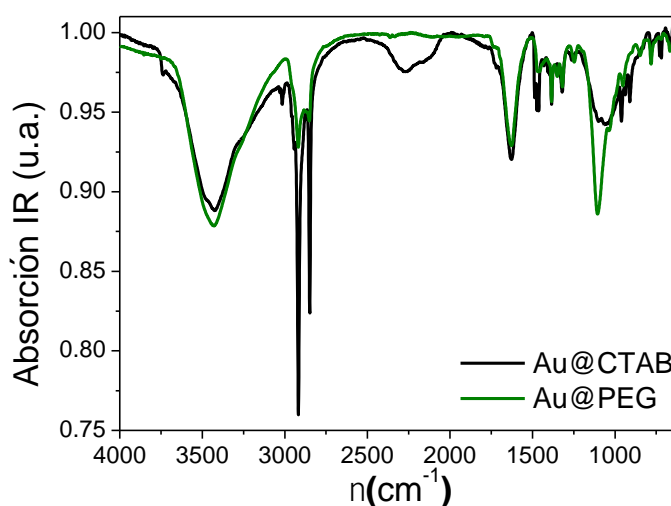


Figure S1. FT-IR transmission spectrum of CTAB coated AuNR (Au@CTAB) in black and PEG coated AuNR (Au@PEG) in green.

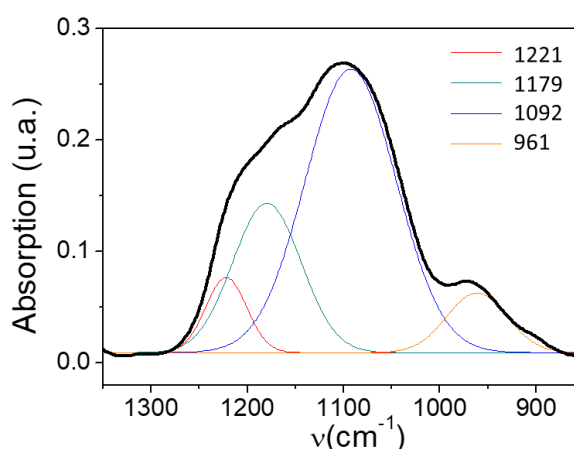


Figure S2. Deconvolution of 1105 cm⁻¹ peak of the FT-IR spectrum in hybrid nanostructures.

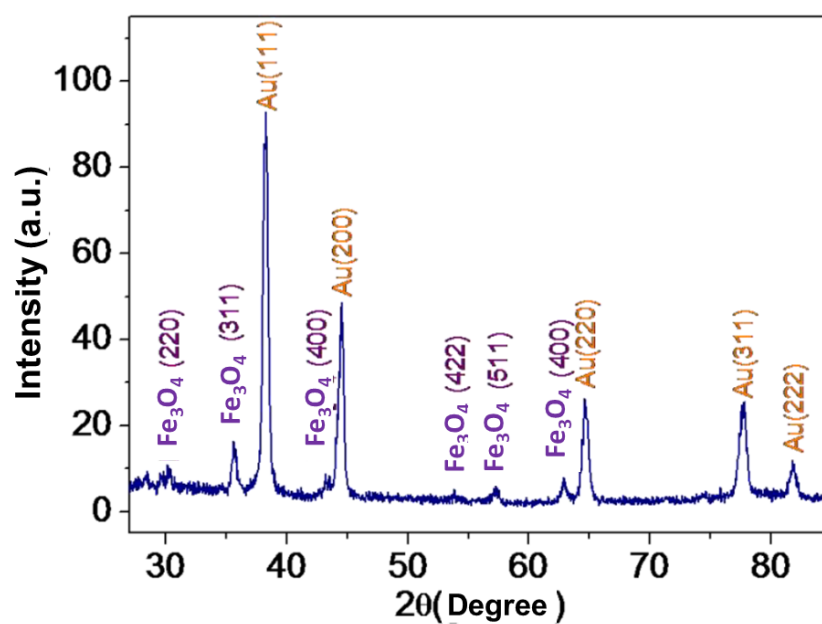


Figure S3. XRD pattern of hybrid nanostructures. Fe_3O_4 and Au characteristic peaks appear labeled in purple and yellow, respectively.