

Supporting Information (SI)

Luminescent Gold-Poly(thiophene) Nanoaggregates Prepared by One-step Oxidative Polymerization

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Figure S1. XPS spectra for Au-PTh nanoaggregates on the cleaned glass substrate: (a) whole and (b) Au 4f peaks.

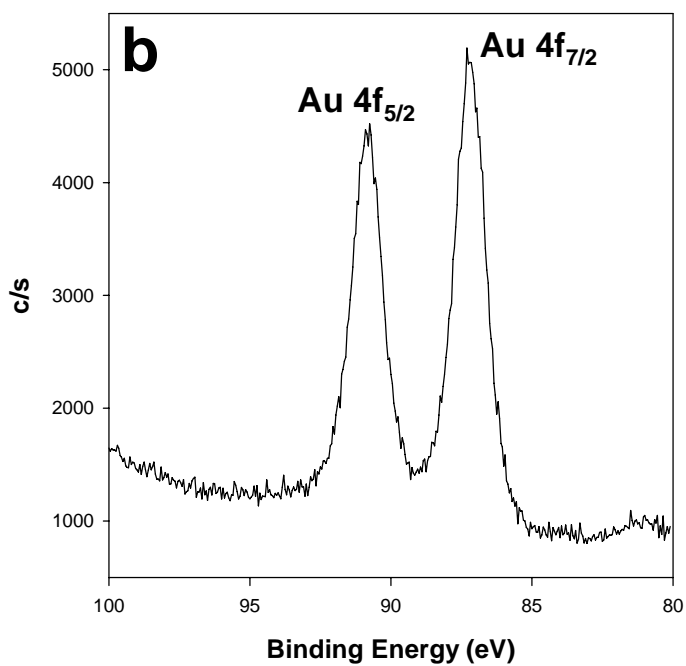
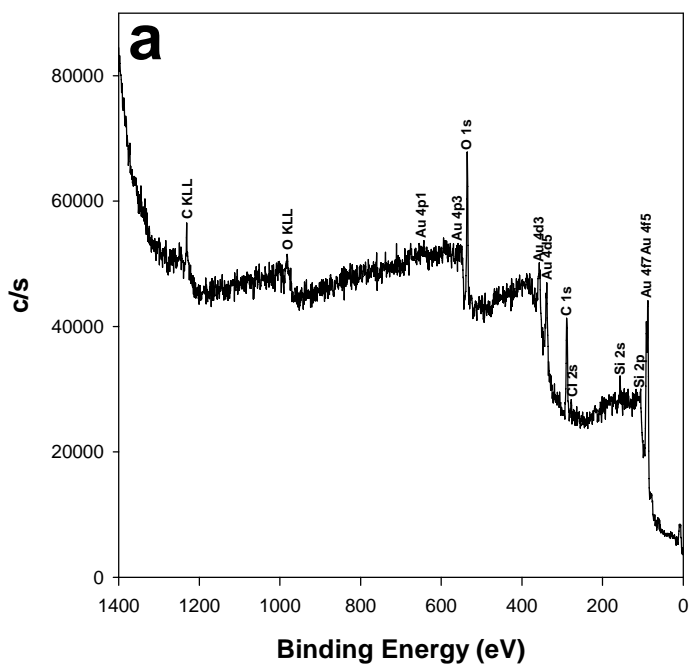


Figure S2. EDS spectrum of Au-PTh nanoaggregates.

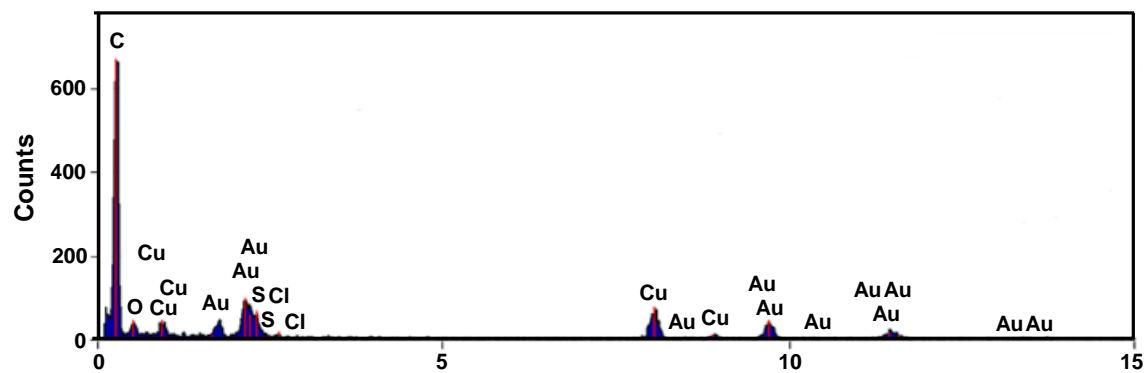


Figure S3. Wide-angle XRD patterns of (a) PTh NPs, (b) Au NPs, and (c) Au-PTh nanoaggregates.

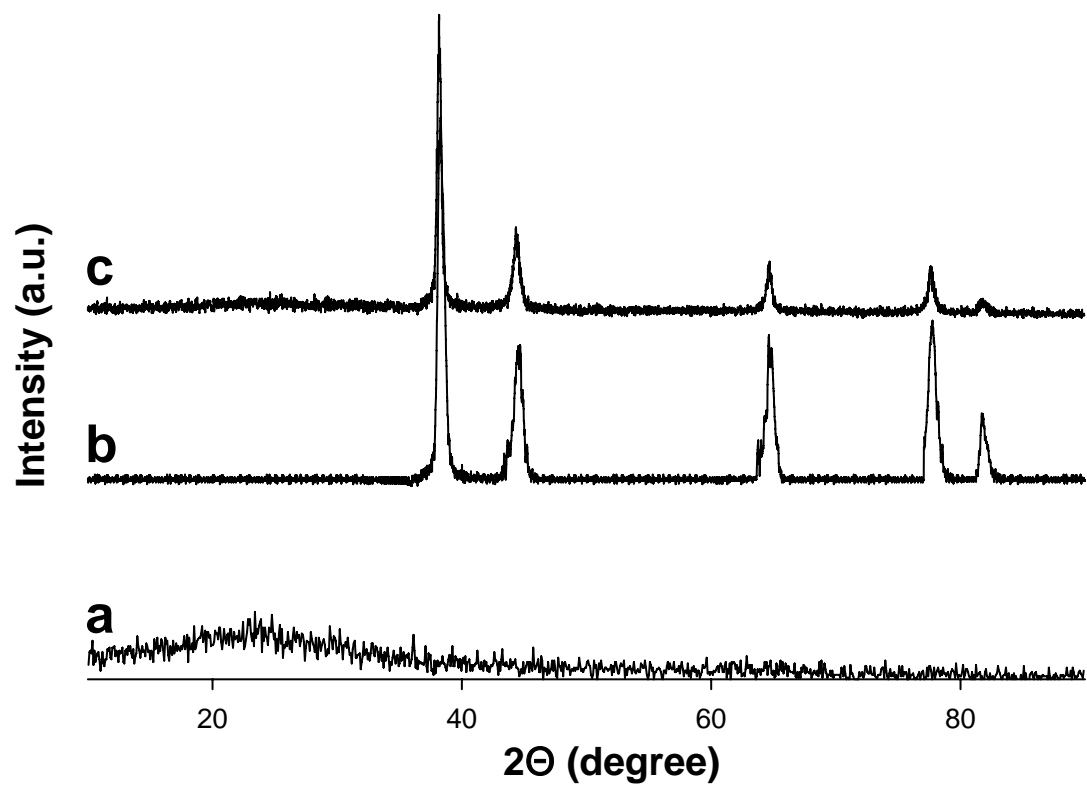


Figure S4. PL spectra of pristine PTh NPs and Au-PTh nanoaggregates in the solid state.
(excitation wavelength : 488 nm).

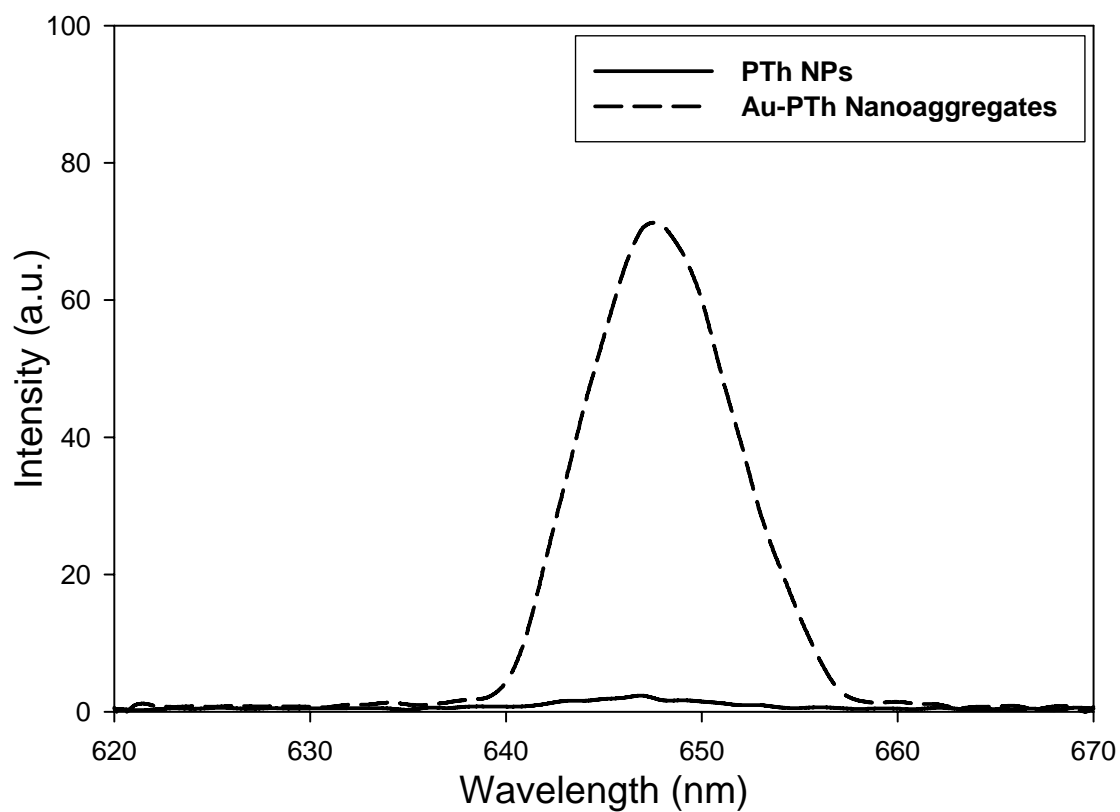


Figure S5. CLSM image of Au-PTh nanoaggregates in solid state at the different excitation wavelength (405, 458, 488 and 514 nm).

