

Electronic Supporting Information (ESI)

Janus Bimetallic Nanorod Clusters-poly(aniline) Nanocomposites with Temperature-responsiveness for Raman Scattering-based Biosensing

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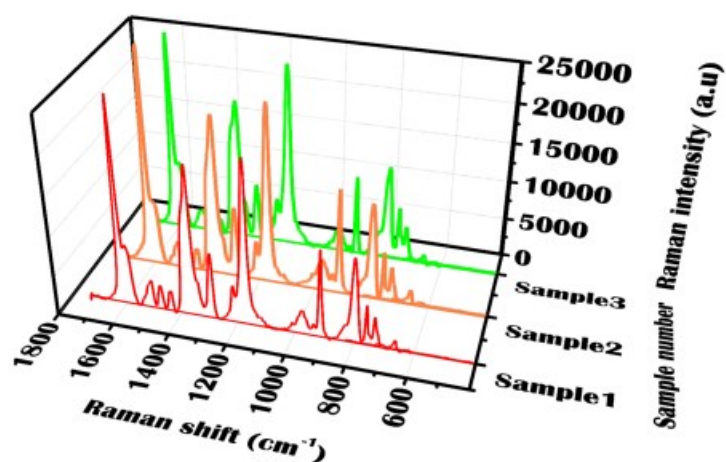
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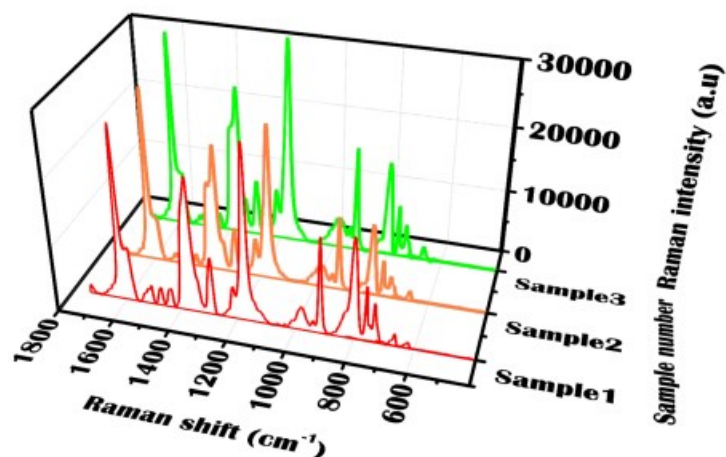
Key words: Janus nanocomposites, Bimetallic nanorod clusters, Poly(aniline), Temperature-responsiveness, Surface-enhanced Raman Scattering, Biosensing

The supporting information contains two figures to show SERS spectra of three different batches of GNRCs in SBS and ETE configuration and reversible temperature switching of SERS signals of JRCPCs with GNRCs in ETE configuration upon temperature changes. Figure S1(a) and (b) show SERS spectra of three different batches of the MGITC-encoded GNRCs in SBS and ETE configuration to examine batch-to-batch variability. Figures S2(a) and (b) show relative Raman spectra and Raman intensity of JRCPCs with GNRCs in ETE configuration

(a)



(b)



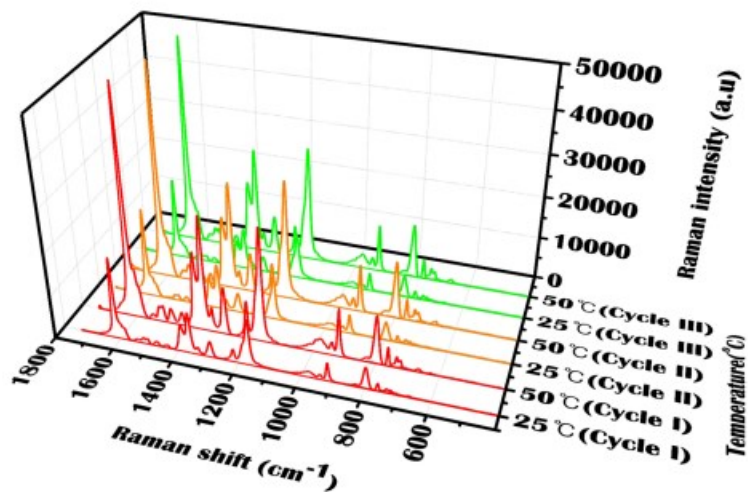
under repeated temperature changes from 25 °C to 50 °C for 3 cycles.

Figure S1. SERS spectra of three different batches of MGITC-encoded GNRCs in (a) SBS and

(b) ETE configuration.

S-2

(a)



(b)

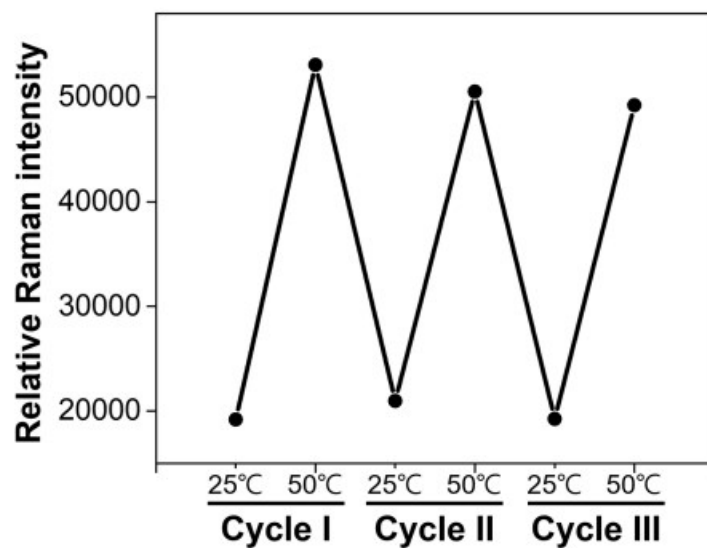


Figure S2. Relative Raman spectra and Raman intensity of JRCPCs with GNRCs in ETE configuration under repeated temperature changes from 25 °C to 50 °C for 3 cycles.