Supporting Information for the manuscript

Multifunctional Janus Particles Composed of Inorganic Nanoparticles through Emulsion Confined Assembly

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SUPPORTING FIGURES:

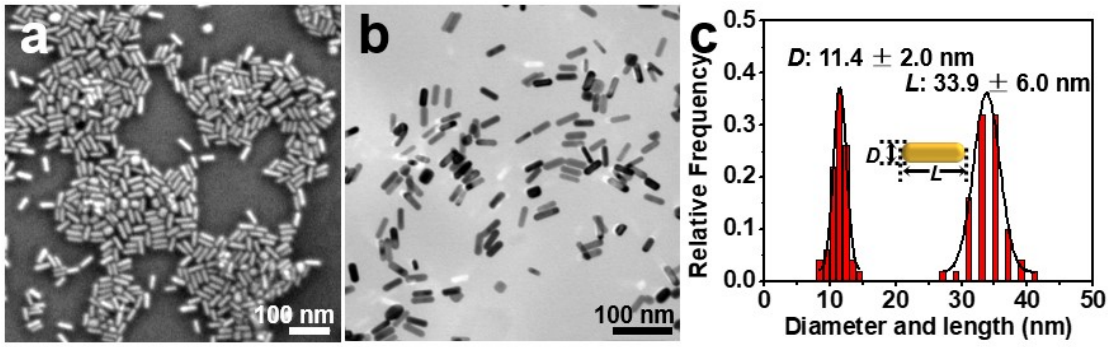

Figure S1. (a, b) SEM and TEM images of the synthesized AuNRs, respectively. (c) The diameter distribution histogram of AuNRs is obtained from the statistics of 100 AuNRs by TEM analysis software.

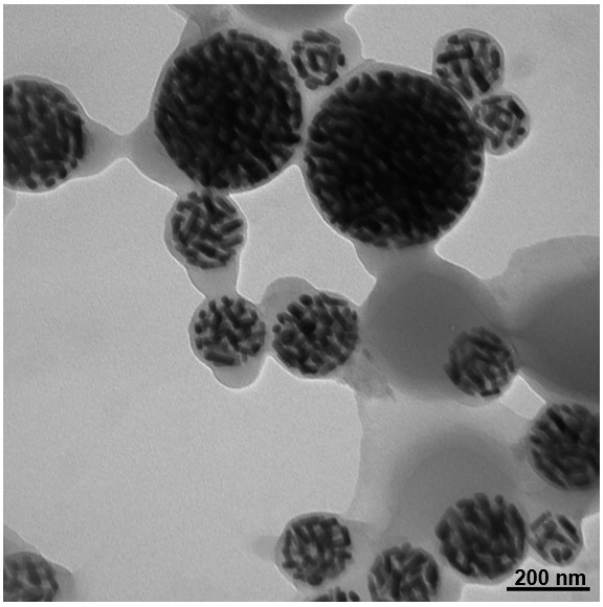

Figure S2. TEM image of the particles obtained by using PVA as the surfactant.

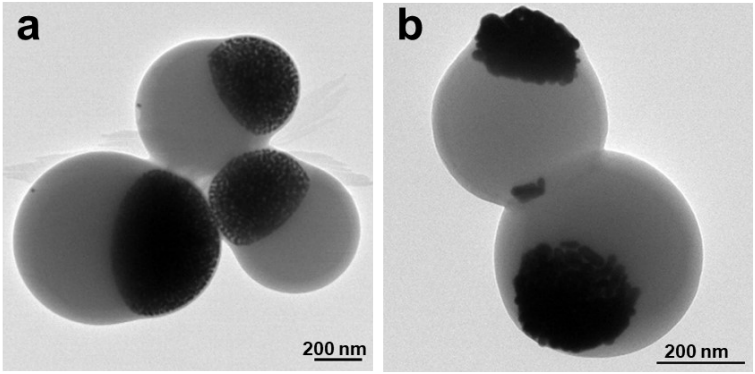

Figure S3. (a, b) TEM images of the Janus particles obtained from AuNRs$_{(L=33.9\text{nm})}$@PS$_{12k}$/P4VP and AuNRs$_{(L=57\text{ nm})}$@PS$_{5k}$/P4VP at R = 5/5, respectively.

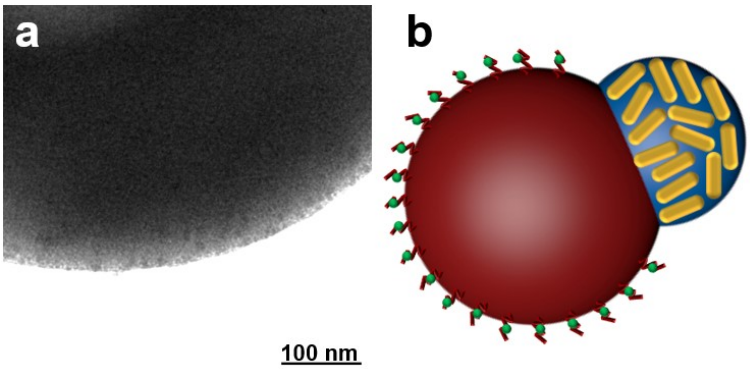

Figure S4. (a) The magnified TEM image of the bi-metal multifunctional Janus particles. (b) The schematic illustration of the bi-metal multifunctional Janus particles.

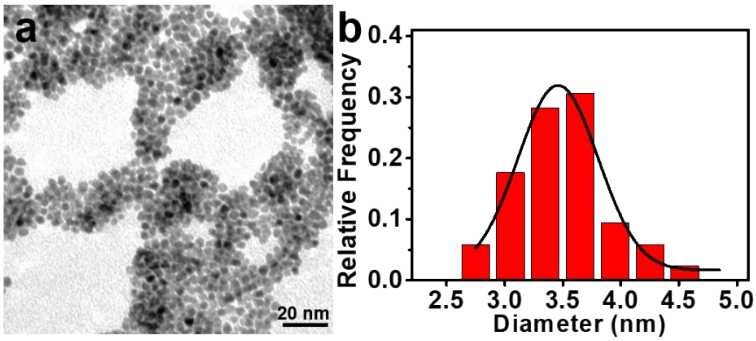

Figure S5. (a) TEM image of the synthesized PtNPs. (b) The diameter distribution histogram of PtNPs is obtained from the statistics of 100 PtNPs by TEM analysis software.