## **Supporting Information**

## Facile Synthesis of Polymer/Au Heteronanoparticles

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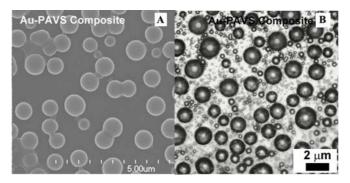


Figure S1, SEM and Optical images of Au-PAVS composite

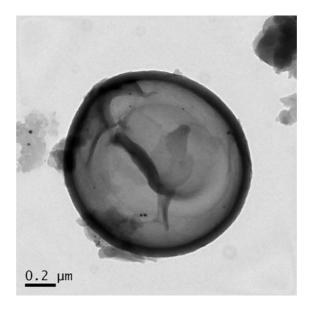


Figure S2, TEM image of PAVS sphere

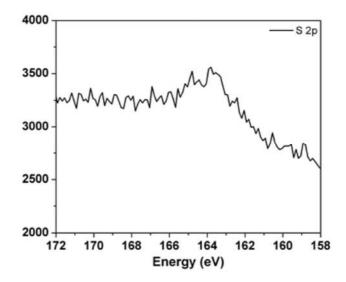


Figure S3, XPS spectrum of PAVS sphere

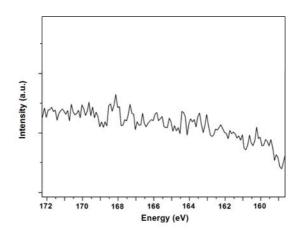


Figure S4, XPS spectrum of PS sphere