

Supporting Information

**Titania-Supported Au and Pd Composites Synthesized from
Dendrimer-Encapsulated Metal Nanoparticle Precursors**

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(4 pages)

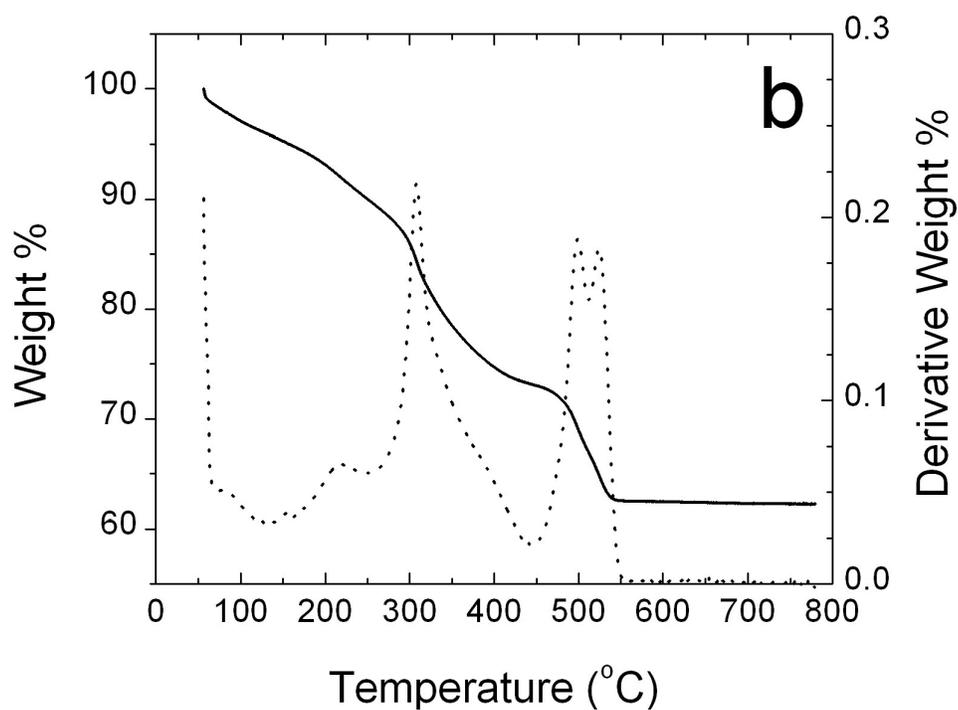
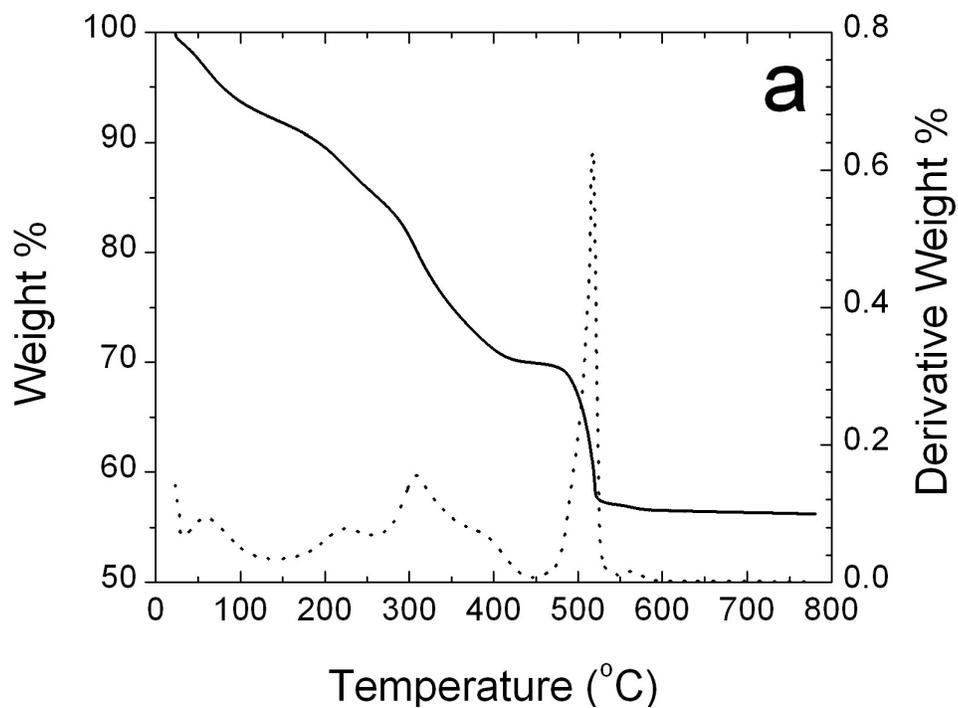


Figure S1. Thermogravimetric analysis plots of (a) titania/G4-NH₂(Au₅₅) and (b) titania/G4-NH₂(Pd₅₅) composite materials.

Elemental analysis of titania/G4-NH₂(Au₅₅) composites after calcination at 550 °C.

Some Au was present on the interior of wall of tube furnace due to prior calcination experiments. Therefore, both the titania control sample and the G4-NH₂(Pd₅₅)/titania composite were contaminated with 0.3 wt% Au. For the G4-NH₂(Au₅₅)/titania composite, this contamination effect was compensated by subtracting 0.3 wt% Au from the total wt% measured by ICP-MS (3.5 wt%) to give the net amount of Au present in the sample (3.2 wt%) and reported in the main text.

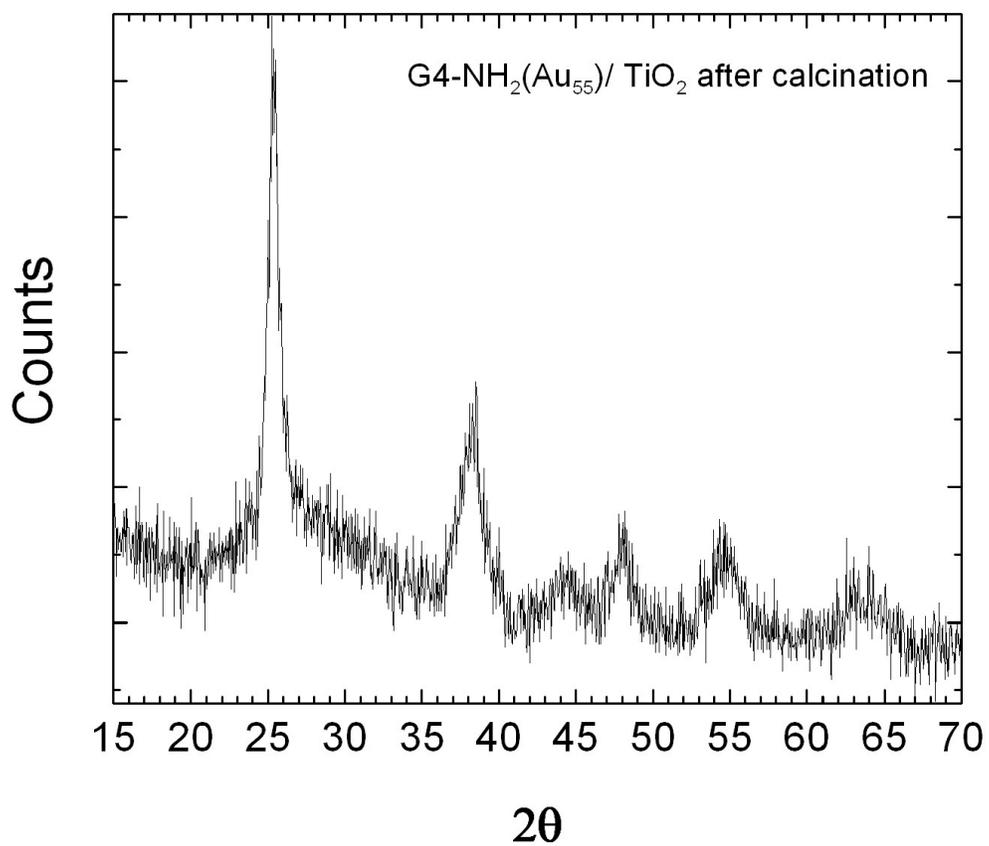


Figure S2. Powder x-ray diffraction plot of the titania/G4-NH₂(Au₅₅) composite after calcination at 500 °C.