Electronic Supplementary Information (ESI)

Figure S1

**Figure S1.** Wide-angle XRD pattern of the bimetallic colloids (Au@Pt) prepared under the typical condition.
Figure S2 TEM image of the product prepared by using the solution with the large amount of the Pt sources. The compositional mole ratio of Pt/Au in this solution is 2.0. A mixture of core-shell 5 particles and dendritic Pt particles without Au cores was observed.
**Figure S3**

TEM image of the Au particles prepared by using the solution without Pt sources. Figure (c) is highly magnified TEM image. No nanostructures were observed inside the Au particles.