

## **Supplementary information for:**

### **Controlled Growth of Gold Nanoparticles with a Multitude of Morphologies.**

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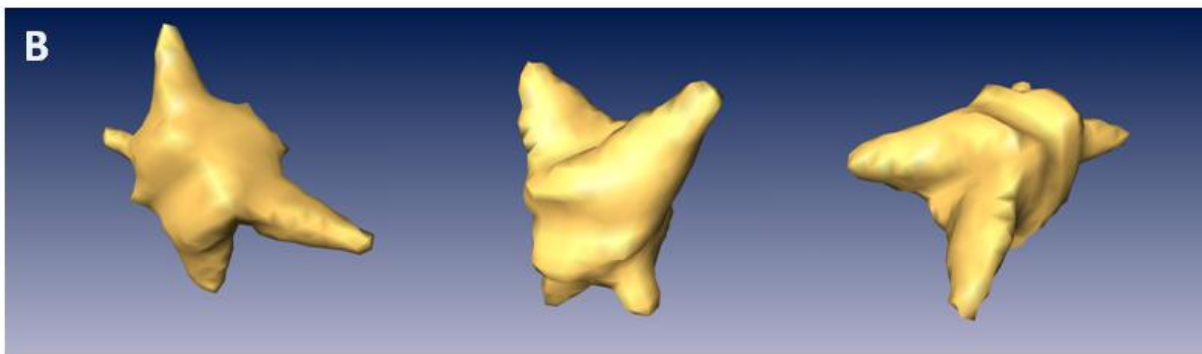
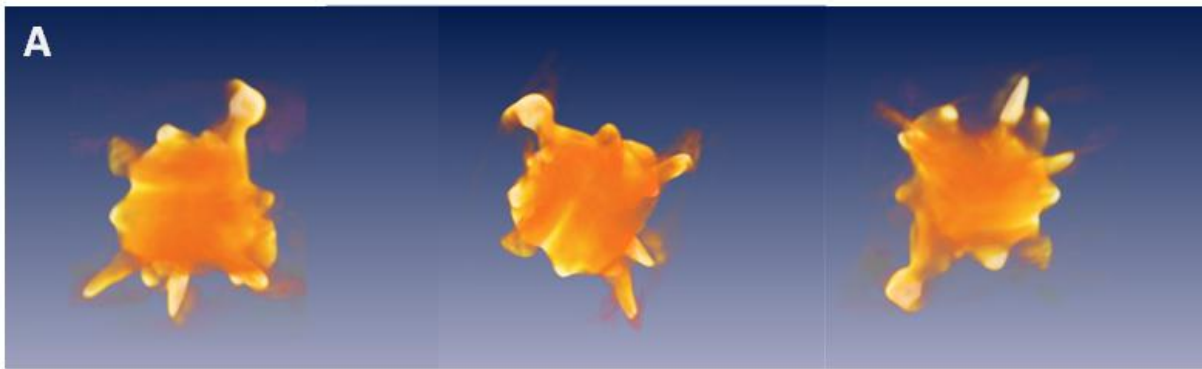
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Figure S1. TEM tomography images.

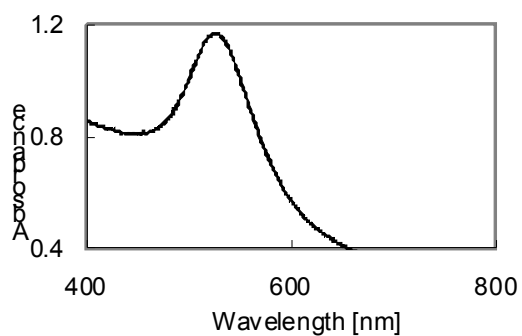
Figure S2. UV-Visible spectrum of BSPP particles.

Figure S3. TEM and histogram of BSPP particles.

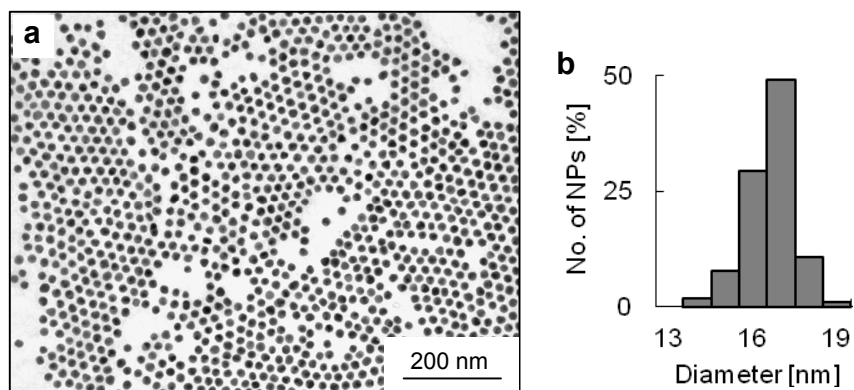


**Figure S1.** BfTEM tomography reconstructions of x and y samples. A) Voltex projection image of highly branched gold particles. B) Surface rendered iso-surface reconstruction of the less branched gold particles.

CHARACTERIZATION OF THE NANOPARTICLES USED AS SEEDS.



**Figure S2.** UV-visible spectrum of BSPP coated gold nanoparticles (seeds).



**Figure S3.** TEM image (a) and representing size distribution histogram (b) of BSPP coated gold nanoparticles (seeds).