

Supporting Information

**Shape Control in Silver Metal Nanoparticle Construction Using Dumb-bell
Dendrimers**

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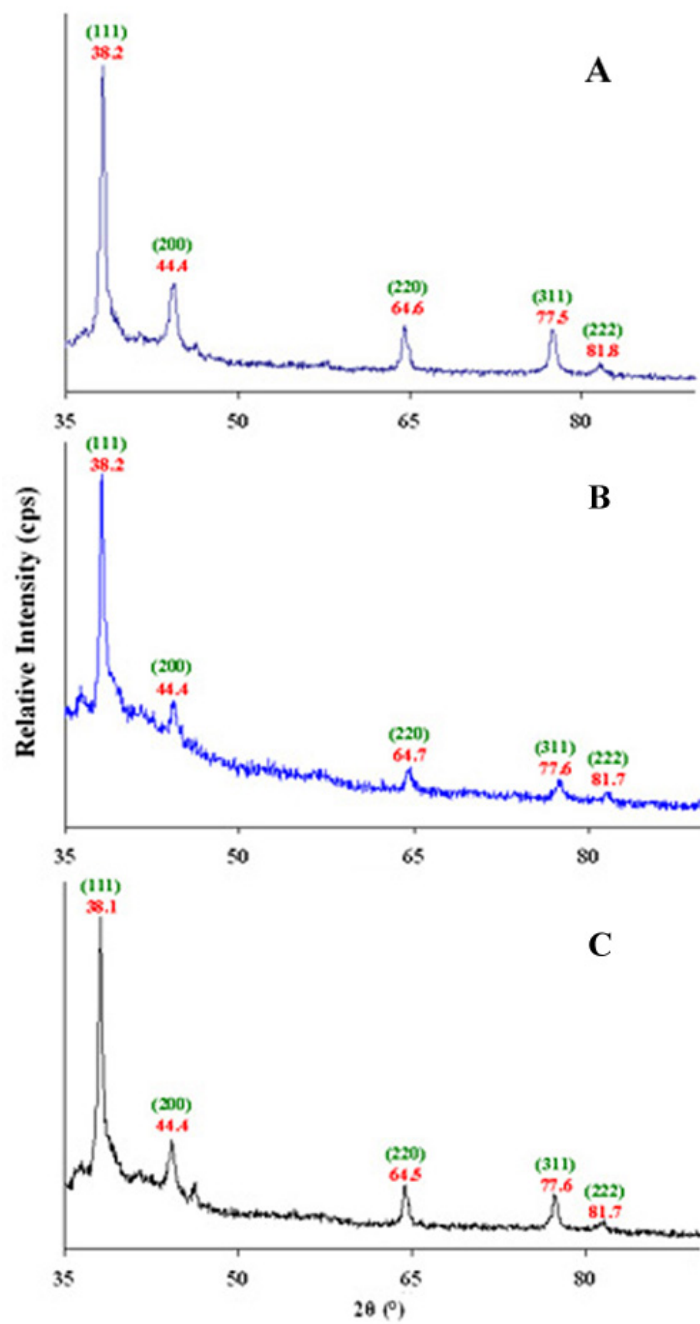
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General: Characterization Methods.....	2
XRPD patterns for generations 1-3 templated silver particles.....	3
Size distribution graphs for generation 1-3 templated silver particles.....	4

General: Characterization Methods:

Transmission electron microscopy (TEM) measurements were carried out on a JEOL 2000FX microscope operating at an acceleration voltage of 80 kV. X-ray powder diffraction (XRPD) experiments were performed using a Siemens D-5000 diffractometer. It was equipped with a step scanner and a 1.2 kW cobalt tube ($\lambda = 1.78897 \text{ \AA}$) coupled to a silicon detector. The diffraction patterns were acquired in the reflection mode, for 2θ values ranging from 4 to 90 degrees. The X-ray beam was fixed while the sample holder and the detector were moved to scan the solids. UV-Vis measurements were recorded in water on a Hewlett Packard 8453 with a resolution of 2 nm.

XRPD patterns for generations 1 (A), 2 (B) and 3 (C) templated silver particles



Size distribution graphs for generation 1 (A), 2 (B) and 3 (C) templated silver particles

