

Supplementary information

Molecular precursor-mediated tuning of gold mesostructures:

Synthesis and SERRS studies

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Supplementary information 1

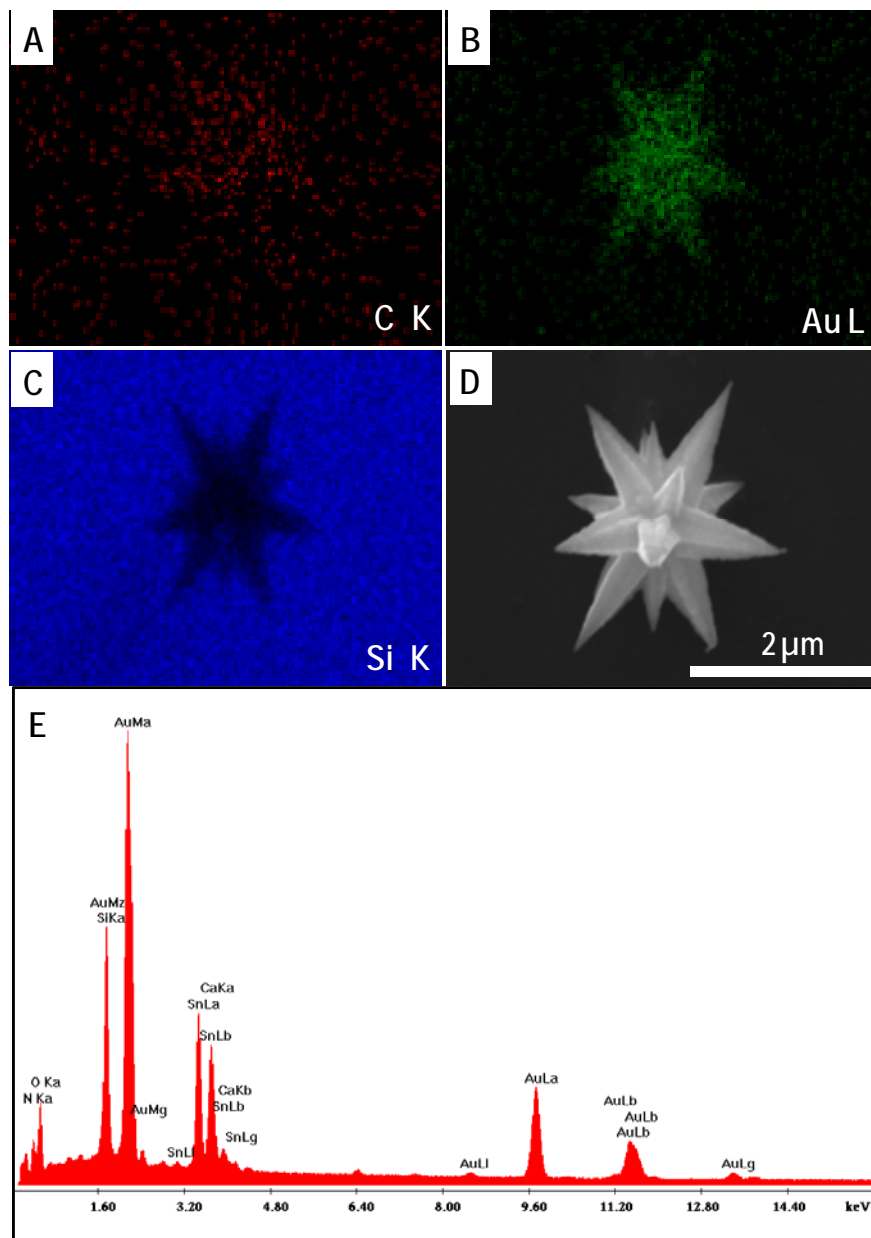


Figure S1. EDAX images collected using (A) C K α ; (B) Si K α and (C) Au L α from the mesoflower shown in (D). (E) An EDAX spectrum showing the elemental composition of the mesoflower. The presence of elements Sn, Ca and Si are due to the ITO conducting glass substrate used. It is clear that the mesomaterial is principally gold.

Supplementary information 2

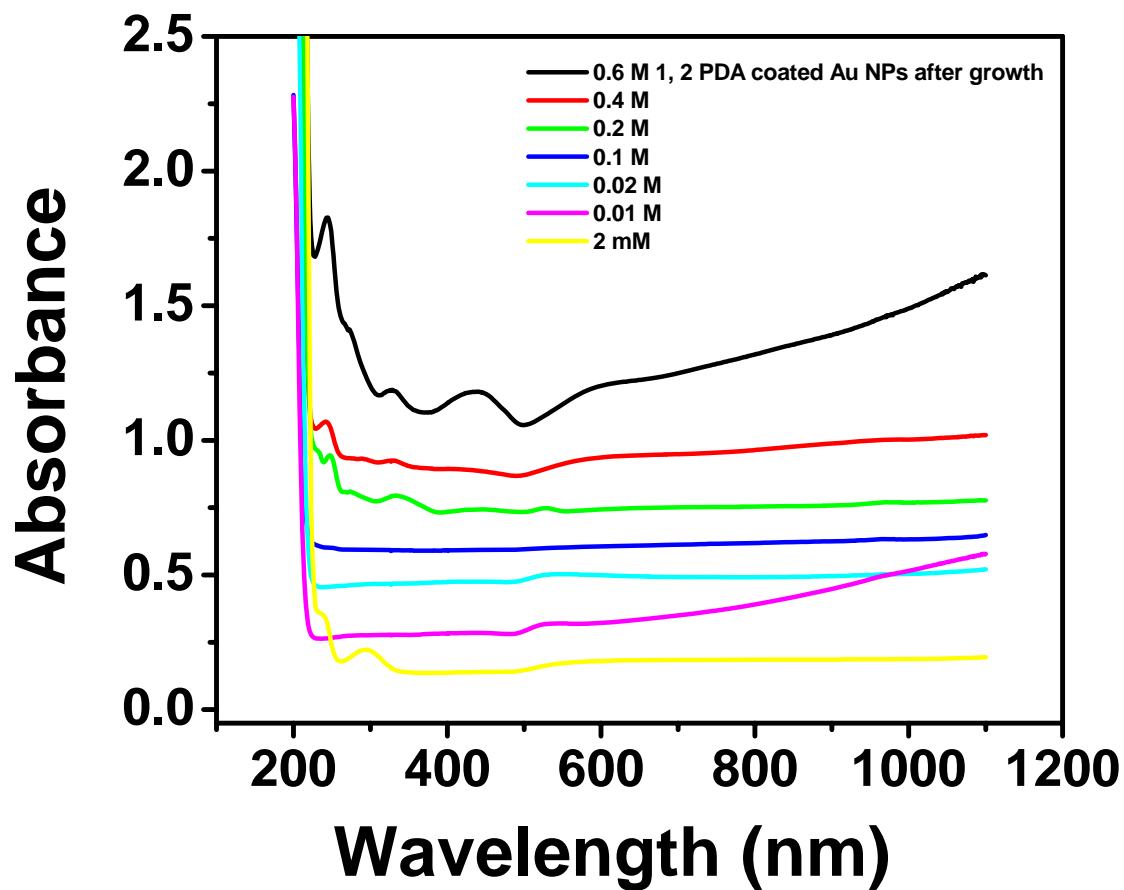


Figure S2. UV-vis absorption spectra of various mesostructures formed when the growth was carried out using seeds which were prepared by varying the concentrations of 1,2-PDA.