Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

ESI

From (Au_5Sn + AuSn) physical mixture to phase pure AuSn and Au_5Sn intermetallic nanocrystals with tailored morphology: digestive ripening assisted approach

Neha Arora and Balaji R. Jagirdar*

Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560012, India.

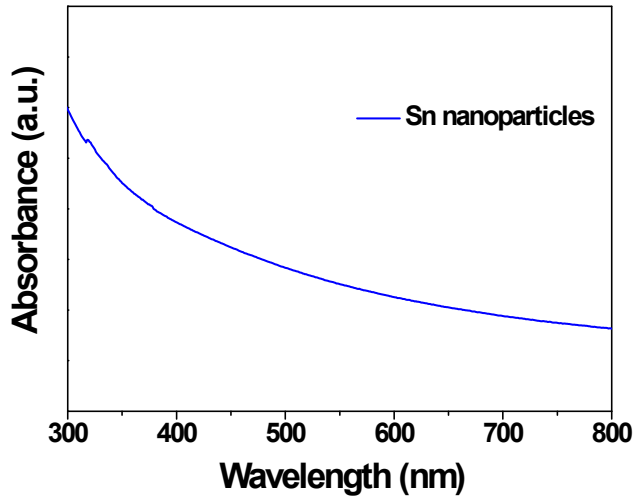

Fig. S1 UV-visible spectrum of Sn nanoparticles.

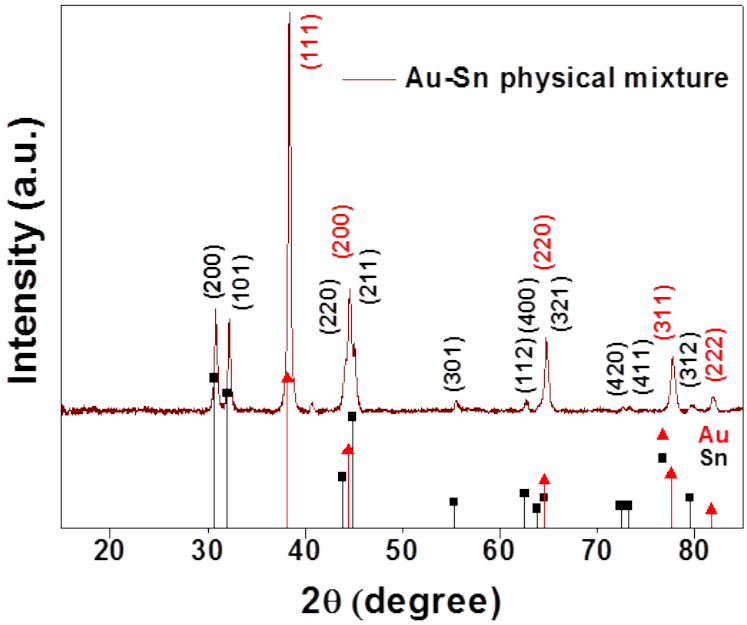

Fig. S2 Powder XRD pattern of physical mixture of Au and Sn nanoparticles

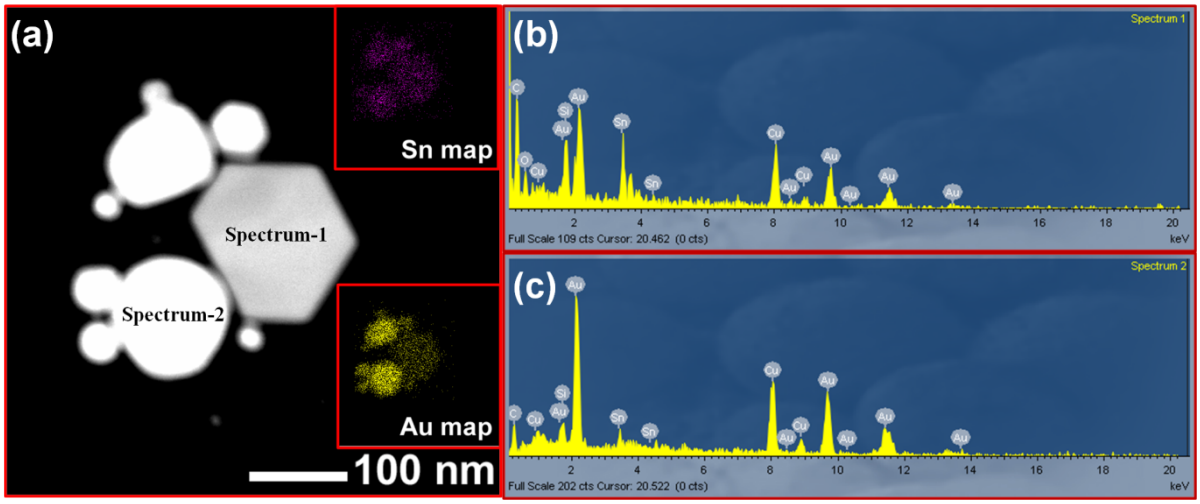

Fig. S3 STEM-EDS mapping for Au_5Sn + AuSn intermetallic nanocrystals (a) STEM dark field image (inset: Au and Sn EDS maps); (b), (c) point EDS spectra.

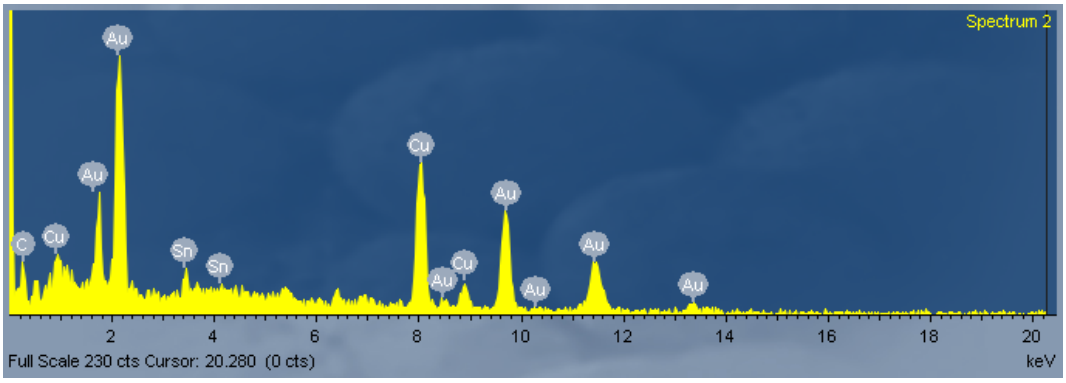

Fig. S4 EDS spectrum of Au_5Sn intermetallic nanocrystals.

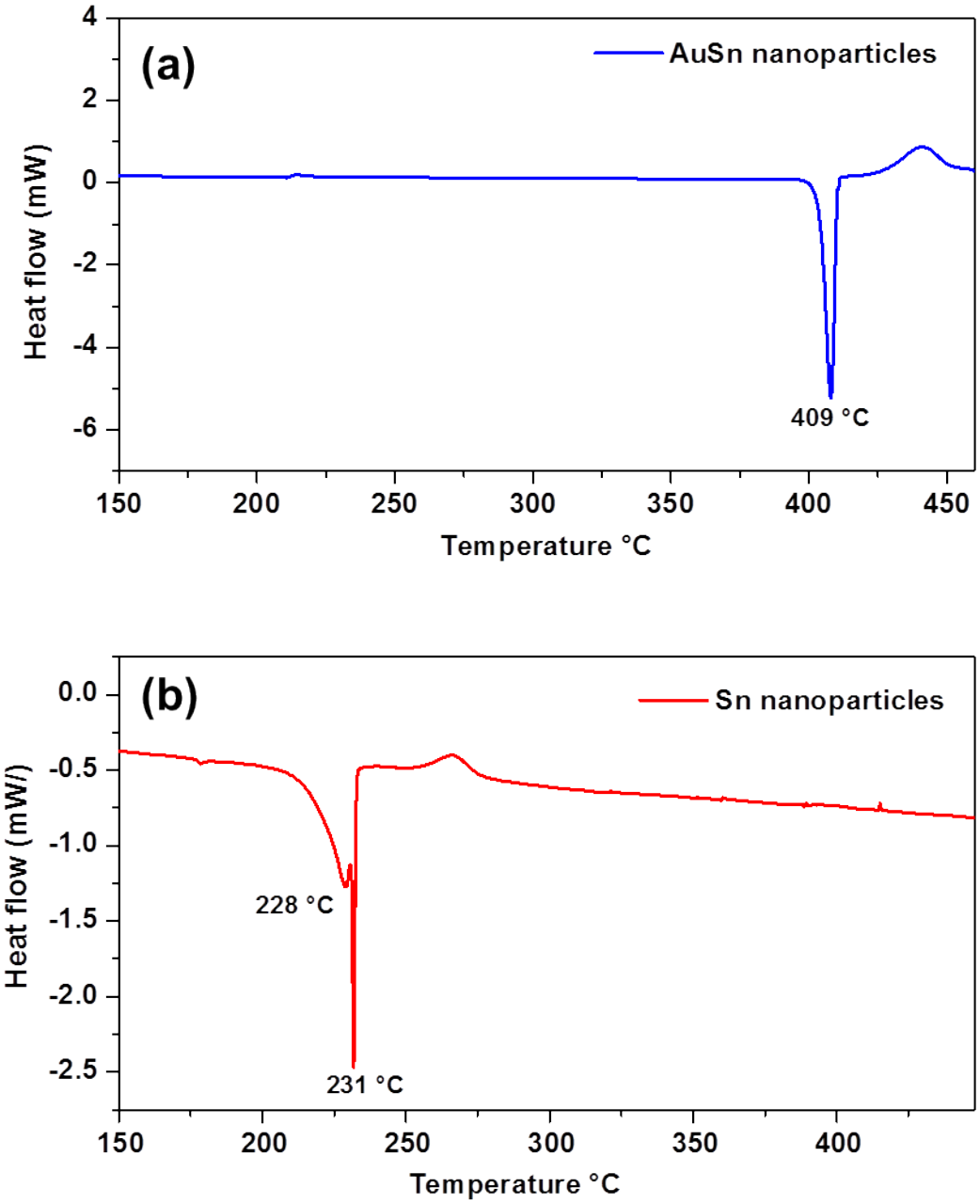

Fig. S4 DSC profiles of nanopowders (a) AuSn, (b) Sn.