A facile solution route for the synthesis of PbSe-Au nanocomposites with different morphologies

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\textbf{Fig. S1} EDX spectrum of the as-prepared PbSe nanocrystals shown in Fig. 1.
**Fig. S2** EDX spectrum of the PbSe-Au nanocomposites synthesized at 2/1 molar ratio of PbSe/Au.

**Fig. S3** XRD pattern of the PbSe-Au nanocomposites synthesized at 2/1 molar ratio of PbSe/Au.