**Electronic Supplementary Information (ESI)** 

## Understanding Metal-Enhanced Fluorescence and Structural Properties in Au@Ag Core-shell Nanocubes

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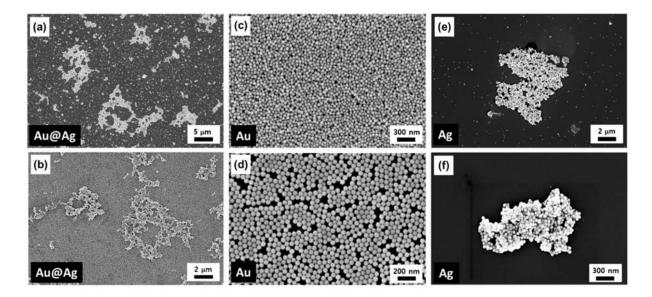
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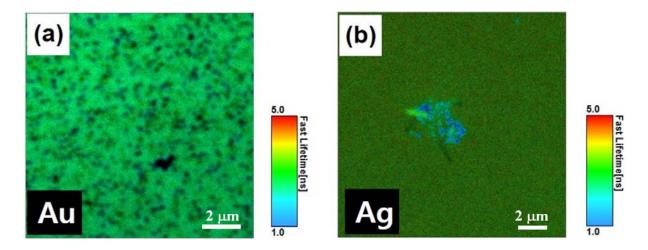
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**Fig. S1** SEM images of (a) and (b) Au@AgNCs, (c) and (d) AuNPs, (e) and (f) AgNPs on FTO after complete solvent evaporation.



**Fig. S2** Fluorescence lifetime images of (a) AuNPs and (b) AgNPs with dye molecules after sedimentation for 60 min using 470 nm excited laser.