

Supporting Information for

Multiple Surface Plasmon Modes for Gold/Silver Alloy Nanorods

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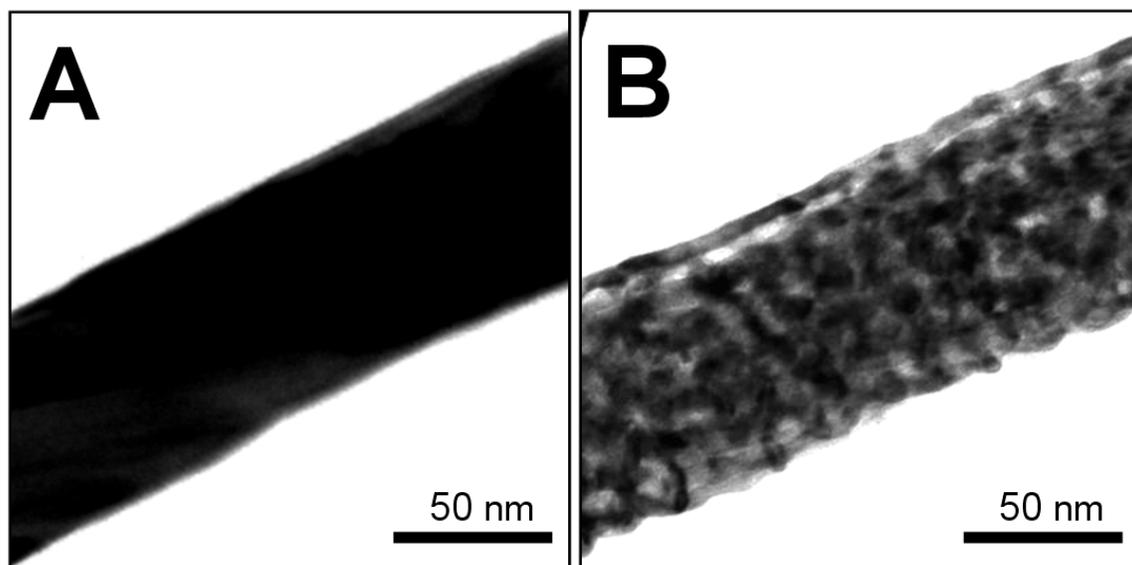


Figure S1. TEM image of Au_{0.65}/Ag_{0.35} alloy NRs (A) before and (B) after chemical etching.

Comment: There is no specific analytical method to show the homogeneous distribution of Ag/Au inside of the nanorods. However, the complete dissolution of Ag in Ag/Au alloy nanorods leads to the formation of nanoporous Au nanorods (ref. *Nature*, **2001**,410,450 & *Advanced Materials*, **2007**,19,1612), which is the indirect evidence of homogeneous Ag/Au formation.