Cite this: DOI: 10.1039/c0xx00000x

www.rsc.org/xxxxx

Supporting informations

Synthesis of ligand-free metallic nanoalloys for plasmonic applications

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Received (in XXX, XXX) Xth XXXXXXXX 20XX, Accepted Xth XXXXXXXX 20XX 5 DOI: 10.1039/b000000x

Figure 1S: (a) TEM image of the ligand-free gold NPs prepared by picoseconds laser ablation in deionized water. (b) Analytical analysis measurement by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) of diluted gold solution.(c) Absorption spectra of gold NPs for different dilution factor.

Figure 2S: Absorption spectra of Ag (braun dashed line), Au (purple ⁵⁰ dashed line) pure metal colloid and mixed AuAg colloidal after irradiation taken at different laser fluence. In inset is reported variation of the plamon peak position of the post irradiated AuAg colloid as a function of the laser fluence.



