Supplementary information

A novel approach for the synthesis of ultrathin silica-coated iron oxide nanocubes decorated with silver nanodots (Fe$_3$O$_4$/SiO$_2$/Ag) and their superior catalytic reduction of 4-nitroaniline

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Fig. S1 SEM image for Fe$_3$O$_4$ nanocubes
Fig. S2 EDS analysis data for (a) SiO$_2$ NPs and (b) Ag NPs.
Fig. S3 UV-vis spectrum of (a) 4-phenylenediamine and (b) the reduction of 4-nitroaniline with only NaBH₄ for 24 h reaction time.
Fig. S4 UV-visible spectra for the reduction reaction of a 4-nitroaniline compound by (a) SiO$_2$/Ag NPs and (b) Ag NPs.