Electronic Supplementary Information (ESI)

Facile preparation of Ag / Ni (OH)₂composites with enhanced

catalytic activity for reduction of 4-nitrophenol

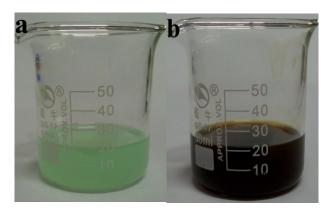


Fig. S1. Photos of the samples: (a) before and (b) after reaction

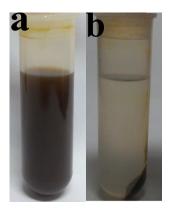


Fig. S2. Photos of the samples: (a) before and (b) after centrifugation

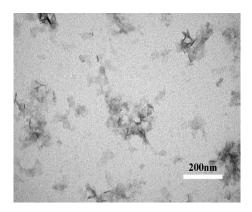


Fig. S3. TEM image of the Ni(OH)₂ nanosheets

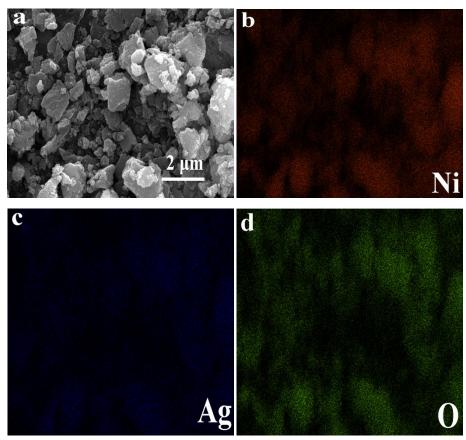


Fig. S4 SEM image of Ag(10)/Ni(OH)₂ (a) and correspondent EDS elemental mapping of Ni (b), Ag (c), O (d)

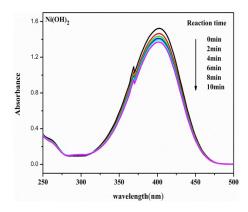


Fig. S5. UV-vis spectra of the reduction of 4-NP using $Ni(OH)_2$ as a catalyst

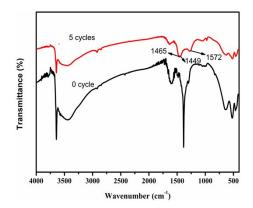


Fig. S6 FTIR spectrum of Ag(10)/ $\rm Ni(OH)_2$ for 0 cycle and 5 cycles

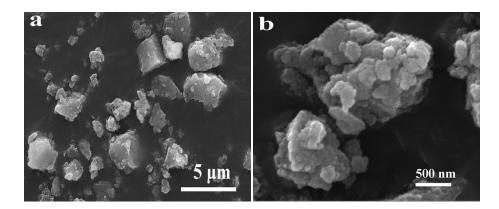


Fig S7 SEM images of Ag(10)/ $Ni(OH)_2$ after 5 cycles with low magnification (a) and high magnification (b)