

Cite this: DOI: 10.1039/c0xx00000x

www.rsc.org/xxxxxx

ARTICLE TYPE

Electronic Supplementary Information for:

Simple self-assembly of HLaNb₂O₇ nanosheets and Ag nanoparticles/clusters and its catalytic property

Caihua Wang,^{a,b} Kaibin Tang,^{*a} Dake Wang,^a Zhongping Liu^a and Linlin Wang^a

5

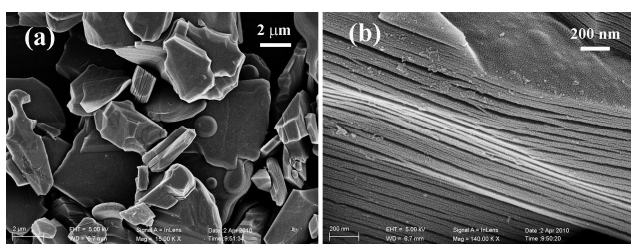
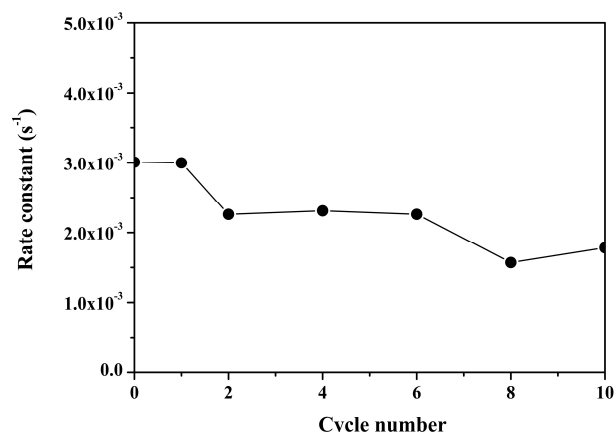


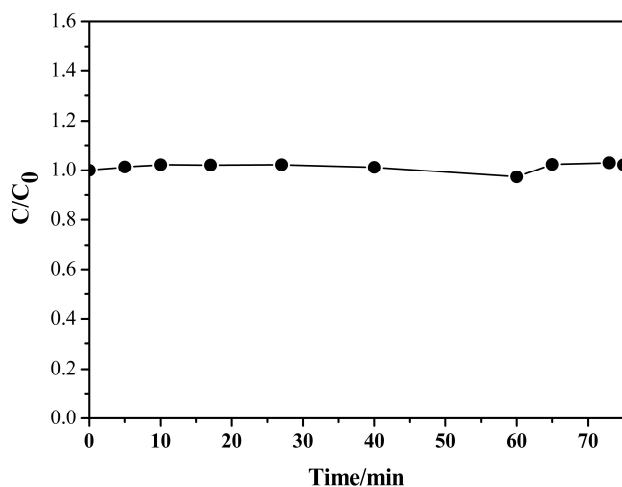
Figure. S1 SEM images of D-glucopyranose-HLaNb₂O₇: (a) low magnification, (b) high magnification.

10



20

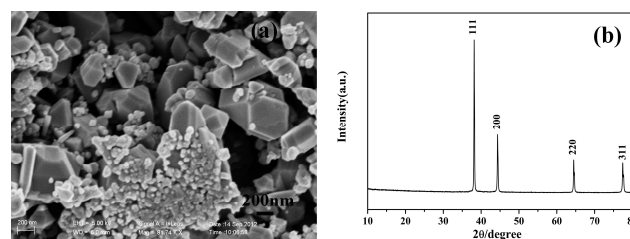
Figure. S3 The recyclability of Ag/HLaNb₂O₇ as catalyst.



15

Figure. S2 Concentration percent of RhB as a function of reaction time during the reduction by NaBH₄ without the addition of Ag/HLaNb₂O₇.

25



30

Figure. S4 SEM image and XRD pattern of pure Ag particles prepared in absence of HLaNb₂O₇: (a) SEM, (b) XRD.

35

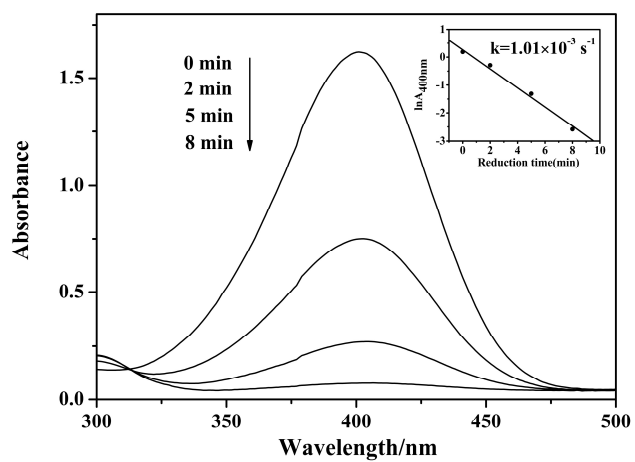


Figure. S5 Successive UV-visible absorption spectra of 4-Np solution reduced by NaBH₄ in the presence of pure Ag particles. The inset shows the logarithm of the absorbance at 400 nm vs. reduction time.

5