

Supporting Information

Simple surface-assisted formation of palladium nanoparticles on polystyrene microspheres and their application in catalysis

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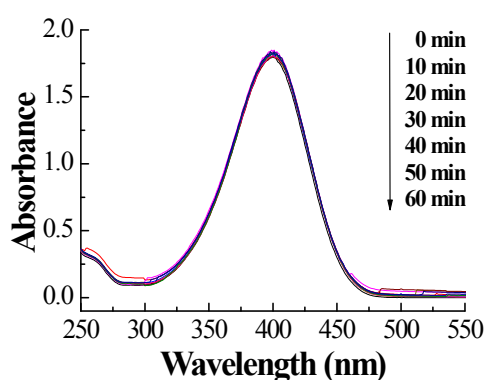


Fig. S1 UV-vis spectra of the reduction of 4-NP by NaBH_4 at different time points without catalyst.

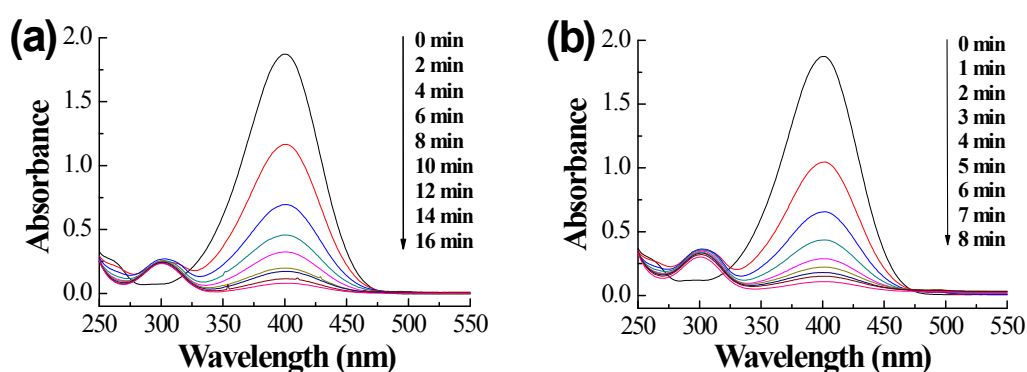


Fig. S2 UV-vis spectra of the reduction of 4-NP by NaBH_4 at different time points with PS/Pd (Pd NPs, *ca.* 4.5 nm) composite particles as catalyst: $C_{\text{Pd}} = 2 \times 10^{-3} \text{ mM}$ (a) and $C_{\text{Pd}} = 4 \times 10^{-3} \text{ mM}$ (b).

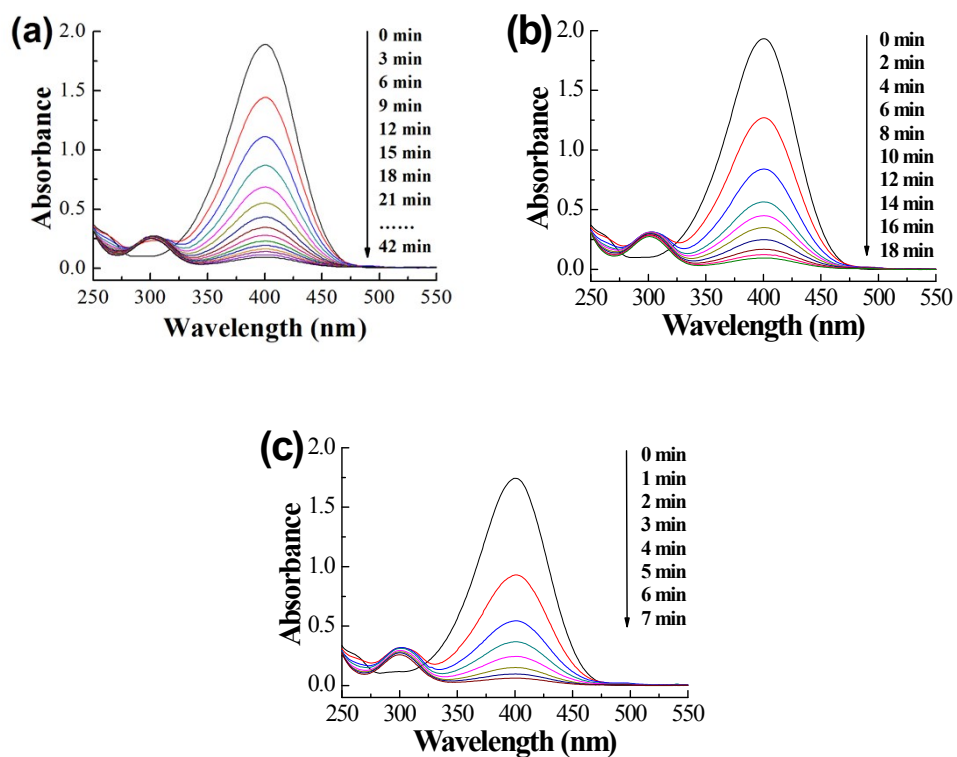


Fig. S3 UV-vis spectra of the reduction of 4-NP by NaBH₄ at different time points with PS/Pd (Pd NPs, *ca.* 7.0 nm) composite particles as catalyst: $C_{\text{Pd}} = 2 \times 10^{-3} \text{ mM}$ (a), $C_{\text{Pd}} = 4 \times 10^{-3} \text{ mM}$ (b), and $C_{\text{Pd}} = 8 \times 10^{-3} \text{ mM}$ (c).