

Supplementary information

Formation of SiO₂@C-Ni Magnetic Nanotubes with Excellent Performance in 4-nitrophenol Reduction

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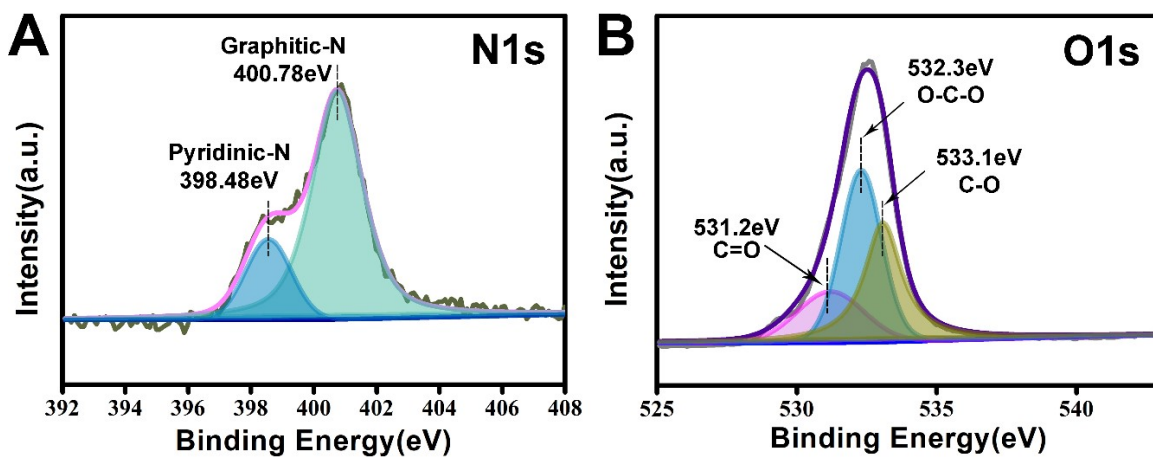


Fig. S1 N1s spectra(A) and O1s spectra(B) of the SiO₂@C-Ni nanotubes.

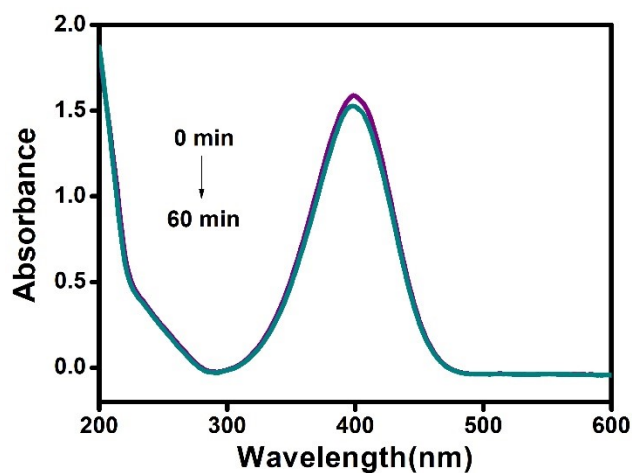


Fig. S2 The UV spectra of the reduction of 4-NP using pure SiO₂ nanotubes as catalyst

Table S1 Properties of SiO₂@C-Ni/400, SiO₂@C-Ni/500, and SiO₂@C-Ni/700 (ICP-AES)

Sample	Average Ni size observed from the TEM images (nm)	Ni loading (μg/mg)
SiO ₂ @C-Ni/400	9.9	1.035
SiO ₂ @C-Ni/500	16.8	1.875
SiO ₂ @C-Ni/700	23.5	0.935