Supporting Information

One-pot synthesis of porous Pt-Au nanodendrites supported on reduced graphene oxide nanosheets toward catalytic reduction of 4-nitrophenol

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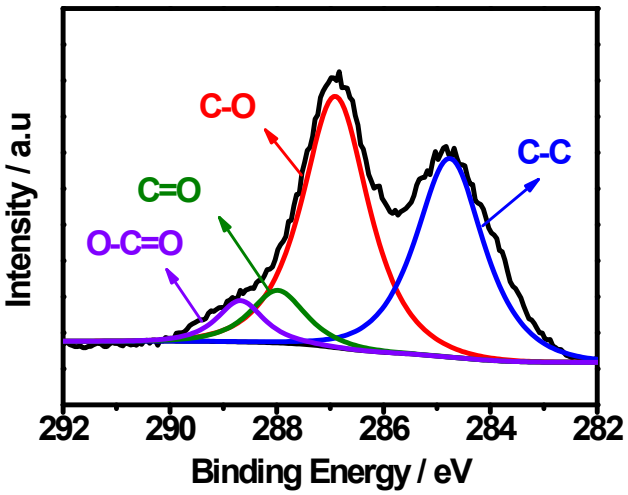

Fig. S1 High-resolution C 1s XPS spectrum of GOs.

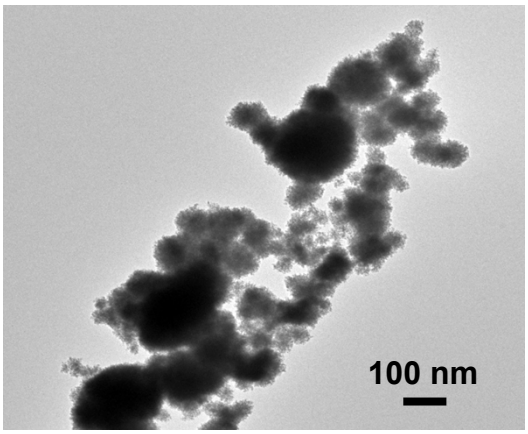

Fig. S2 TEM image of the product obtained without GOs.

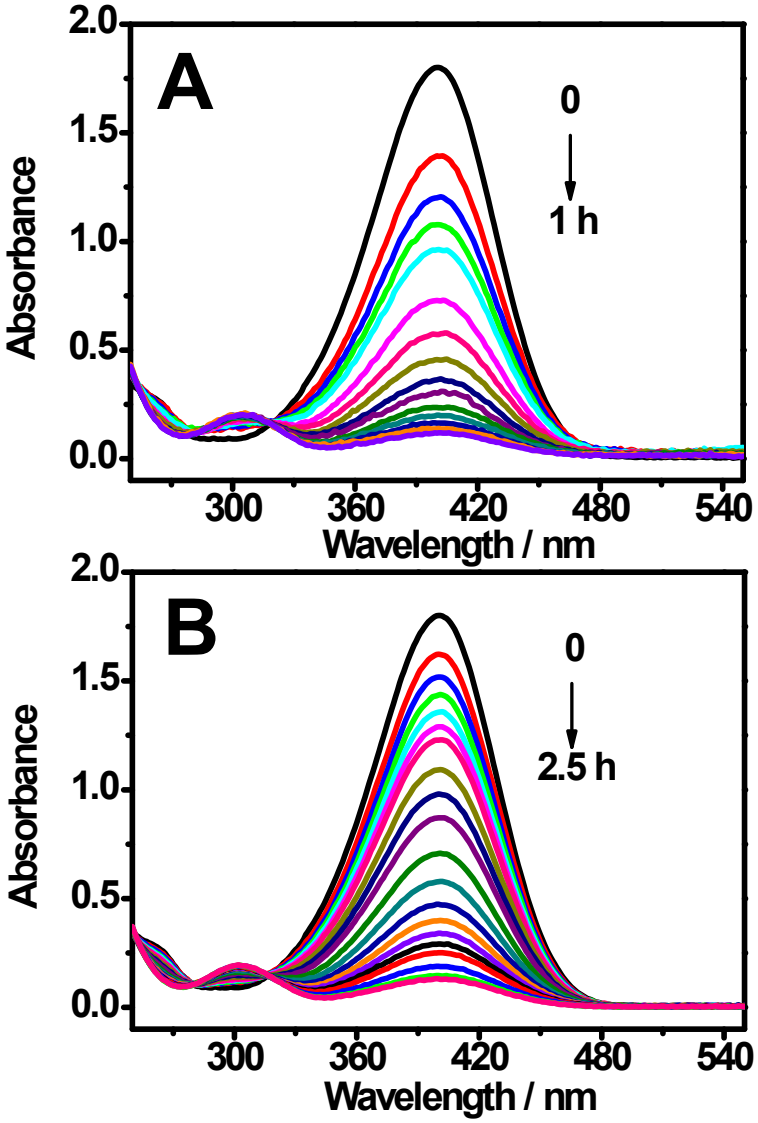

Fig. S3 Time-dependent UV-vis spectra of 4-NP catalyzed by Pt black (A) and Au NCs (B) using the dosage of 50 μL (1 mg mL^{-1}).

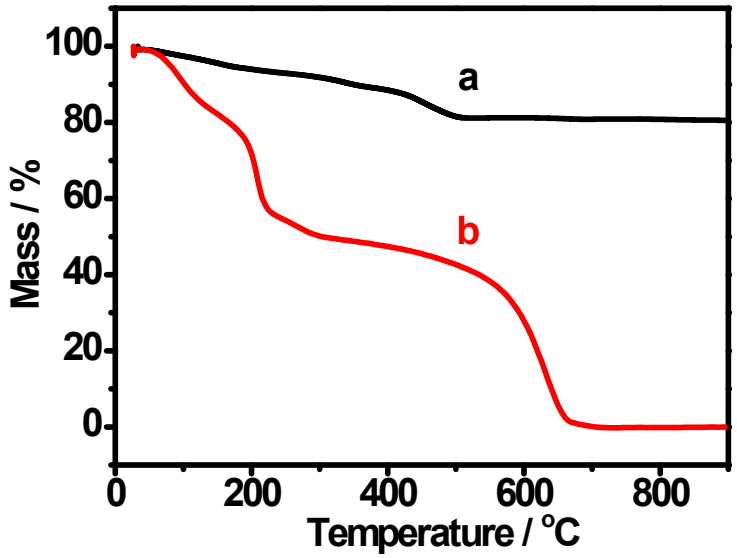

Fig. S4 TGA curves of Pt-Au pNDs/RGOs (curve a) and GOs (curve b).

Table S1 Comparison of the catalytic performances of Pt-Au pNDs/RGOs with other catalysts previously reported for the reduction of 4-NP.

Catalysts	k_{app} ($\times 10^{-3}$ s^{-1})	k_{nor} (s^{-1} g^{-1})	References
Pt-Au pNDs/RGOs	3.8	926	This work
$Pt_{55}Pd_{38}Bi_7$ nanowires	4.3	286	1
AuPd nanocrystals	5.2	74	2
PtNi nanoparticles	1.9	483	3
Fe@Au-ATPGO	1.4	400	4

References

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