Pt/Single-stranded DNA/Graphene Nanocomposite with Improved Catalytic Activity and CO Tolerance

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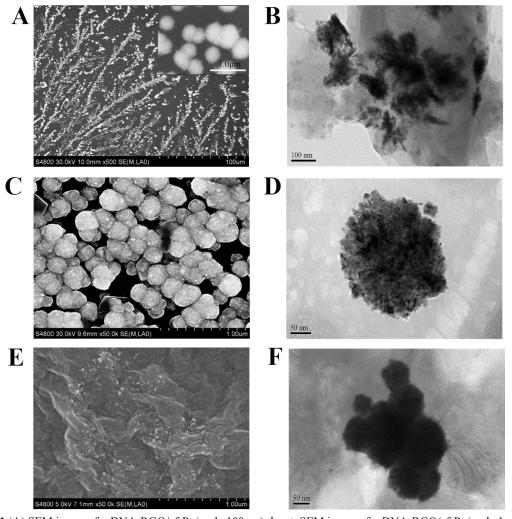


Fig. S1 (A) SEM image of ssDNA-RGO/cf-Pt (scale,100μm), Inset: SEM image of ssDNA-RGO/cf-Pt (scale,1μm) (B) TEM image of ssDNA-RGO/cf-Pt (scale,100nm) (C) SEM image of GO/Pt(scale,1.0μm), (D) TEM image of GO/Pt(scale,50nm), (E) SEM image of RGO/Pt(scale,1.0μm), (F)TEM image of RGO/Pt(scale,50nm).

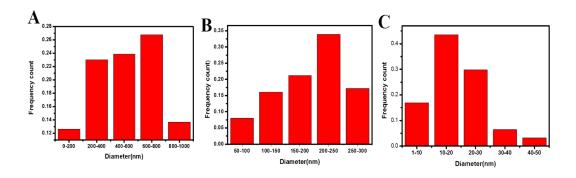


Fig. S2 Size and size distribution (in diameter, nm) of (A)ssDNA-RGO/cf-Pt, (B) GO/Pt, (V) RGO/Pt

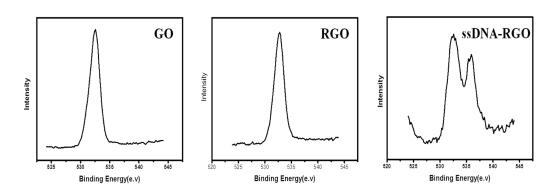


Fig. S3 XPS spectra of (A) oxygen 1s of GO, (B) oxygen 1s of GO, (C) oxygen 1s of ssDNA-RGO/cf-Pt.

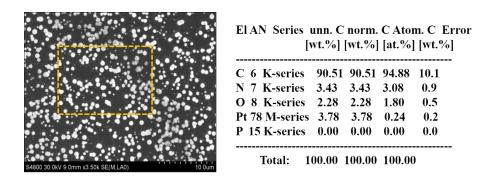


Fig. S4 (A) EDS image with the spectra area squared in yellow dotted line. (B) Atomic quantities from EDS spectra.