

## Supplementary Information

### Facile synthesis of two-dimensional graphene/SnO<sub>2</sub>/Pt ternary hybrid nanomaterials and their catalytic properties

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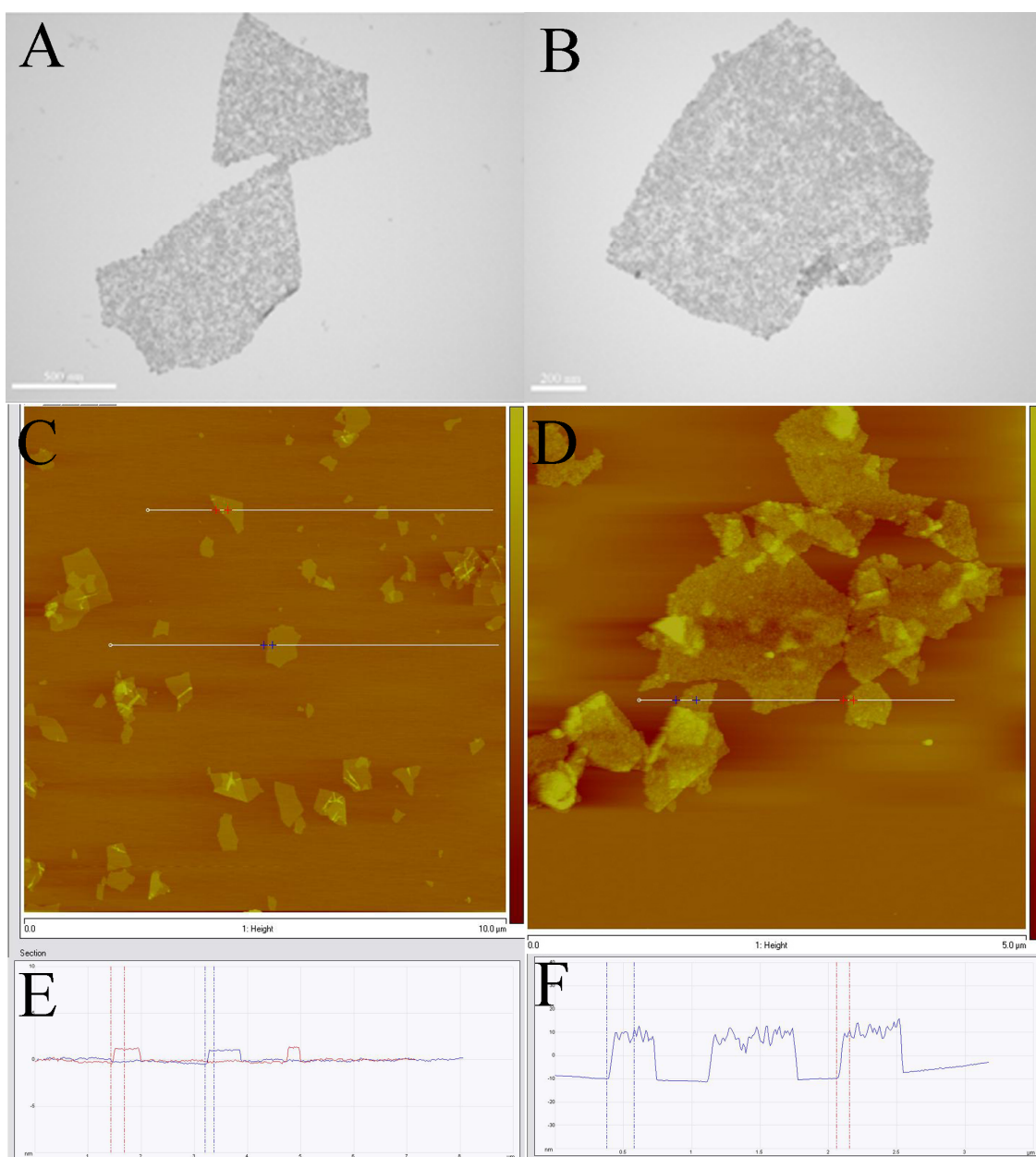


Fig. S1 (A,B) TEM image of the two-dimensional GSCN. AFM images (C, D) and height profiles (E, F) along the lines shown in AFM images of GO (C, E) and as-prepared GSCN (D, F).

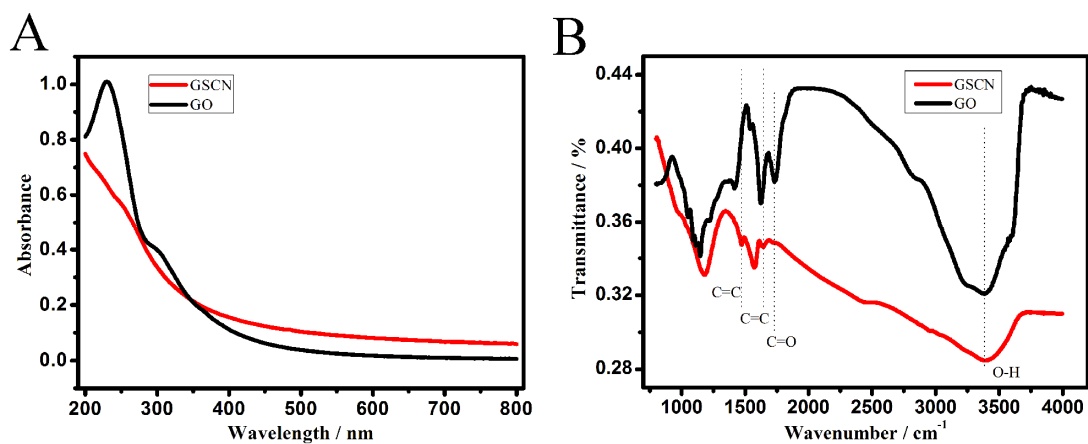


Fig. S2 UV-vis absorption (A) and FTIR (B) spectra of GO and the obtained GSCN.

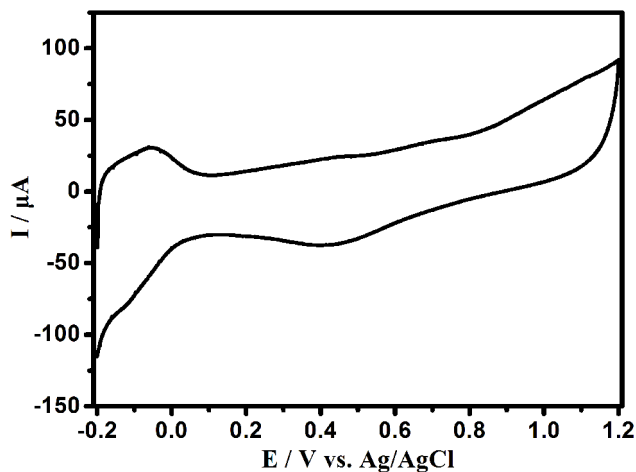


Fig. S3 A typical cyclic voltammogram obtained at GSCN/Pt/GCE in 0.5 M H<sub>2</sub>SO<sub>4</sub> electrolyte saturated with nitrogen at a scan rate of 50 mV/s.