

Supporting Information for

Au/BiPO₄ nanorod catalysts: synthesis, characterization and their catalytic performance for CO oxidation

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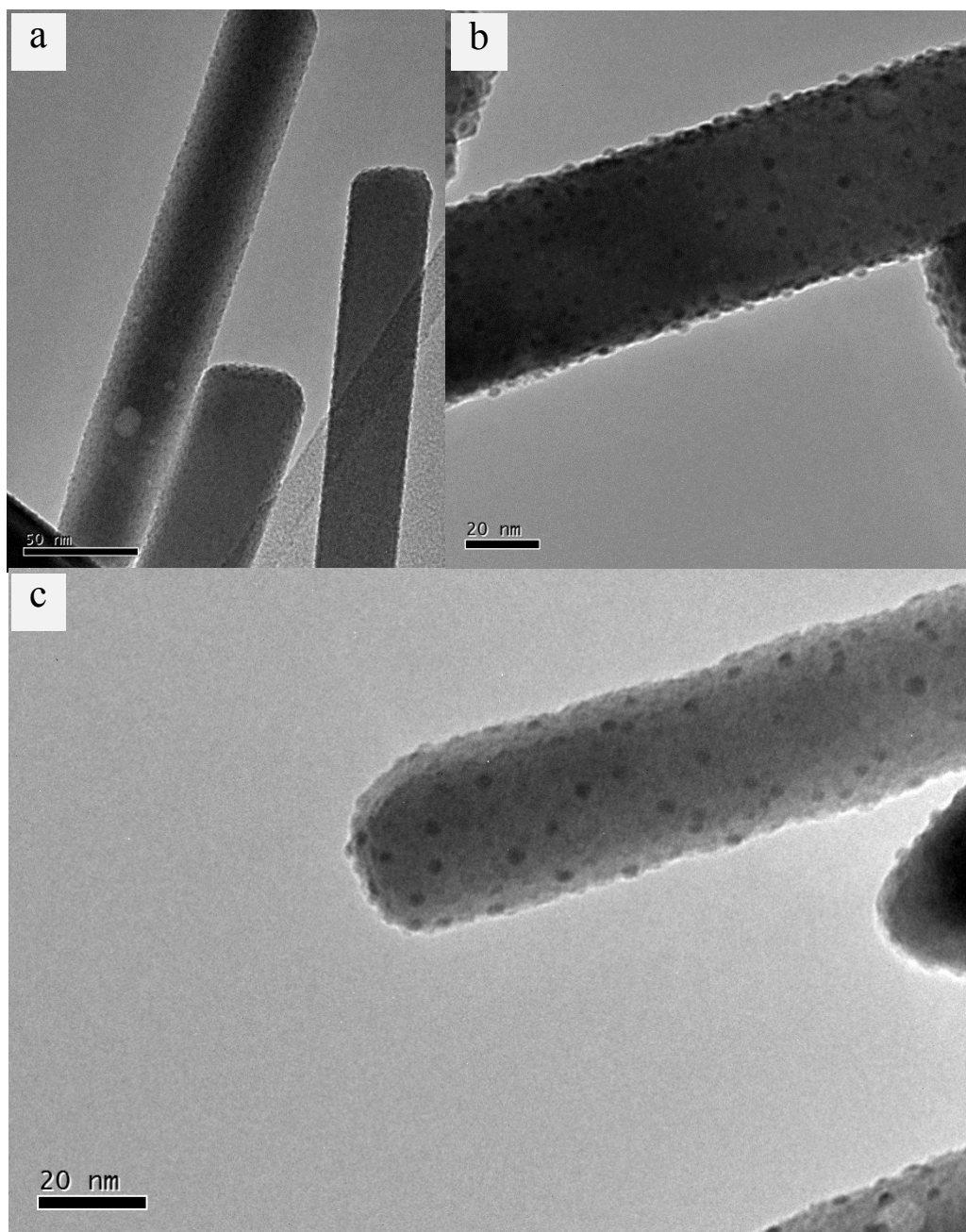


Fig S1 BiPO₄ support(a) and 1.5% Au/BiPO₄ calcined at (b)80°C; (c) 200°C.

It is obvious that the BiPO₄ support were of nanrods structure with diameters about 50 nm. It could also be seen that gold nanoparticles(~2 nm) highly dispersed on the surface of BiPO₄ nanorods when Au/BiPO₄ catalyst were calcined at 80°C and 200°C.

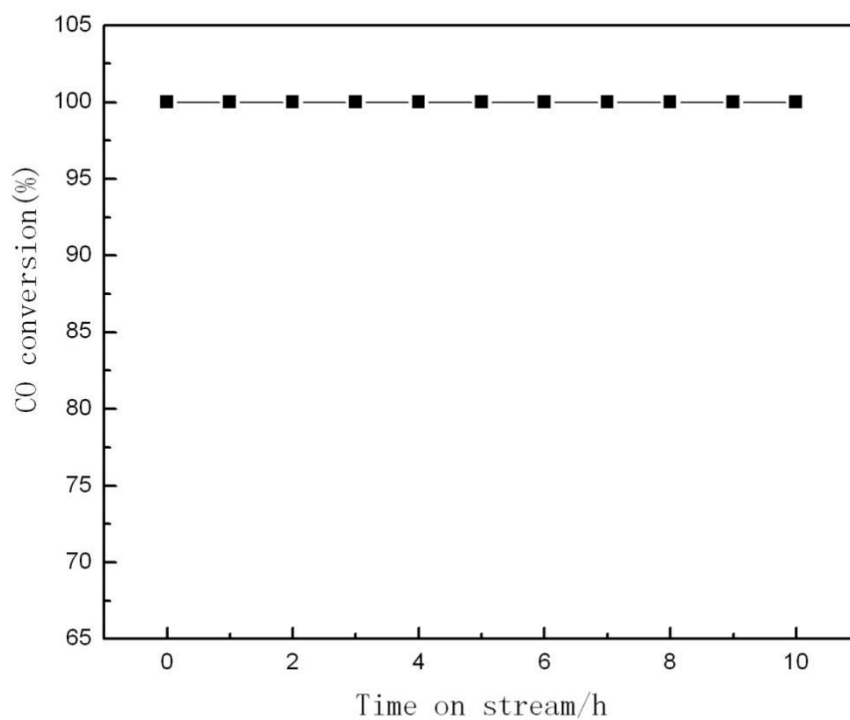


Fig.S2 The stability of 1.5% Au/ BiPO₄ for the CO oxidation , reaction temperature: 40°C

As seen in this *Fig.S2*, the catalyst still kept 100% conversion without any loss. It indicated that the Au/BiPO₄ catalyst had a highly stability for 10 h at 40°C ($T_{100\%}$).

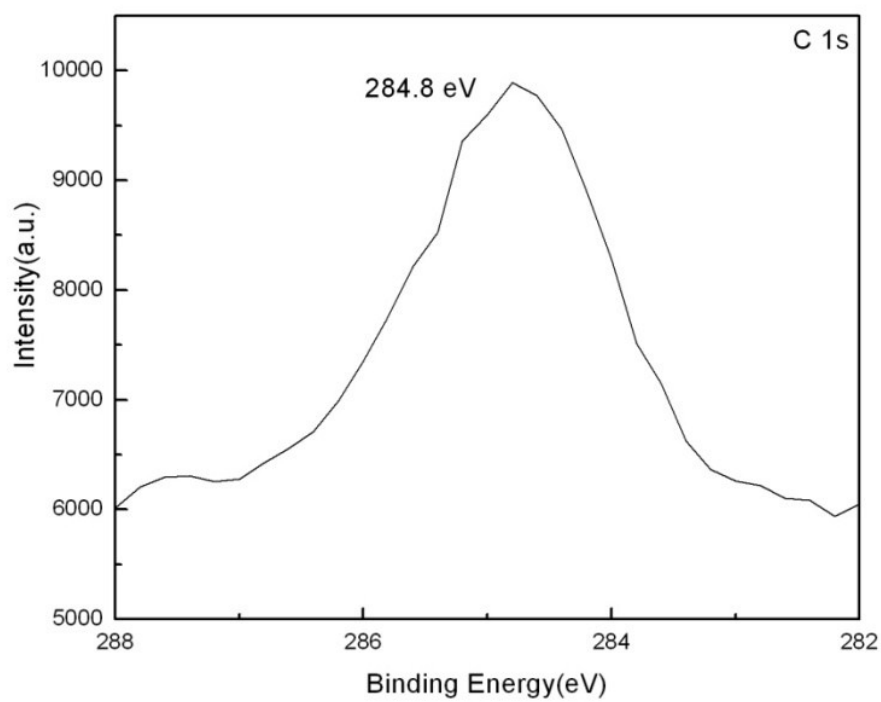


Fig.S3 The XPS spectra of C 1s(284.8eV)