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Supporting Information

Directed synthesis of well dispersed and highly active AuCu and

AuNi nanoparticles catalysts

Hanfei Wang ^{a,b}, Dan Liu ^{a,b}, Chunli Xu ^{a,b,*}







Fig. S1 N₂ adsorption–desorption isotherms and pore-size distributions



Fig. S2 XPS spectra in Cu 2p or Au 4f regions for the AuCu catalysts prepared by traditional method. (a) AuCu/HTs-L-C, and (b) AuCu/HTs-H-C.



Fig. S3 XPS spectra in Ni 2p or Au 4f regions for the AuNi catalysts prepared by traditional method. (a) AuNi/HTs-L-C, and (b) AuNi/HTs-H-C.

Binding energy (eV)