

Electronic Supplementary Informations for

Gold nanoparticles-modified TiO₂/SBA-15 nanocomposites as active plasmonic photocatalysts for the selective oxidation of aromatic alcohols

Yu Chen, Weizun Li, Jingyu Wang, Qian Yang, Qidong Hou, Meiting Ju *

College of Environmental Science and Engineering, Nankai University, Tianjin 300071, China

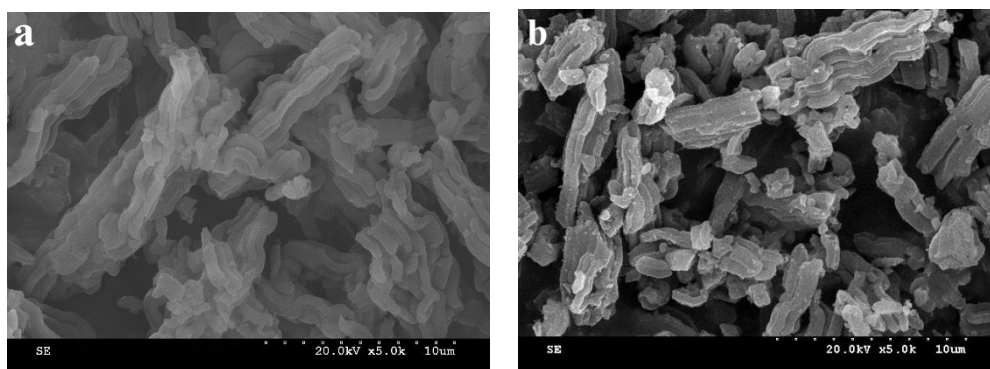
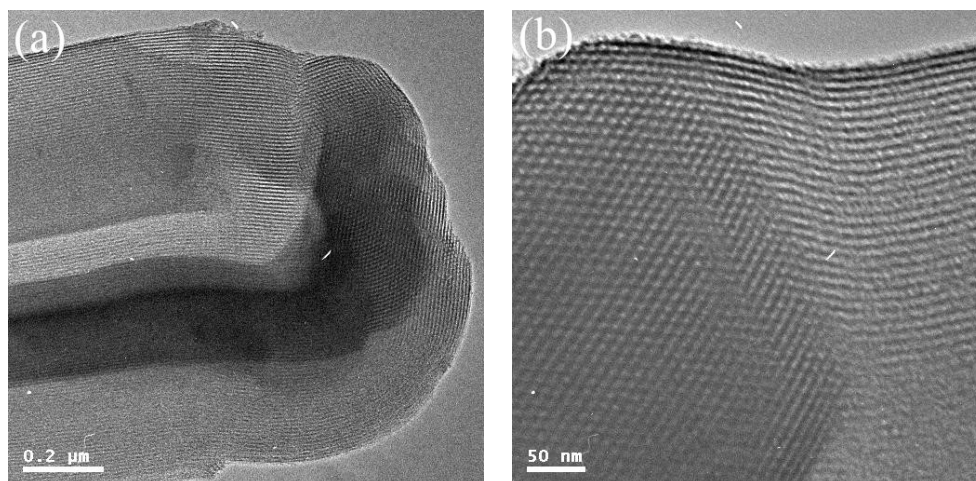


Figure S1 SEM image of the pristine SBA-15 and Au/TiO₂/SBA-15.



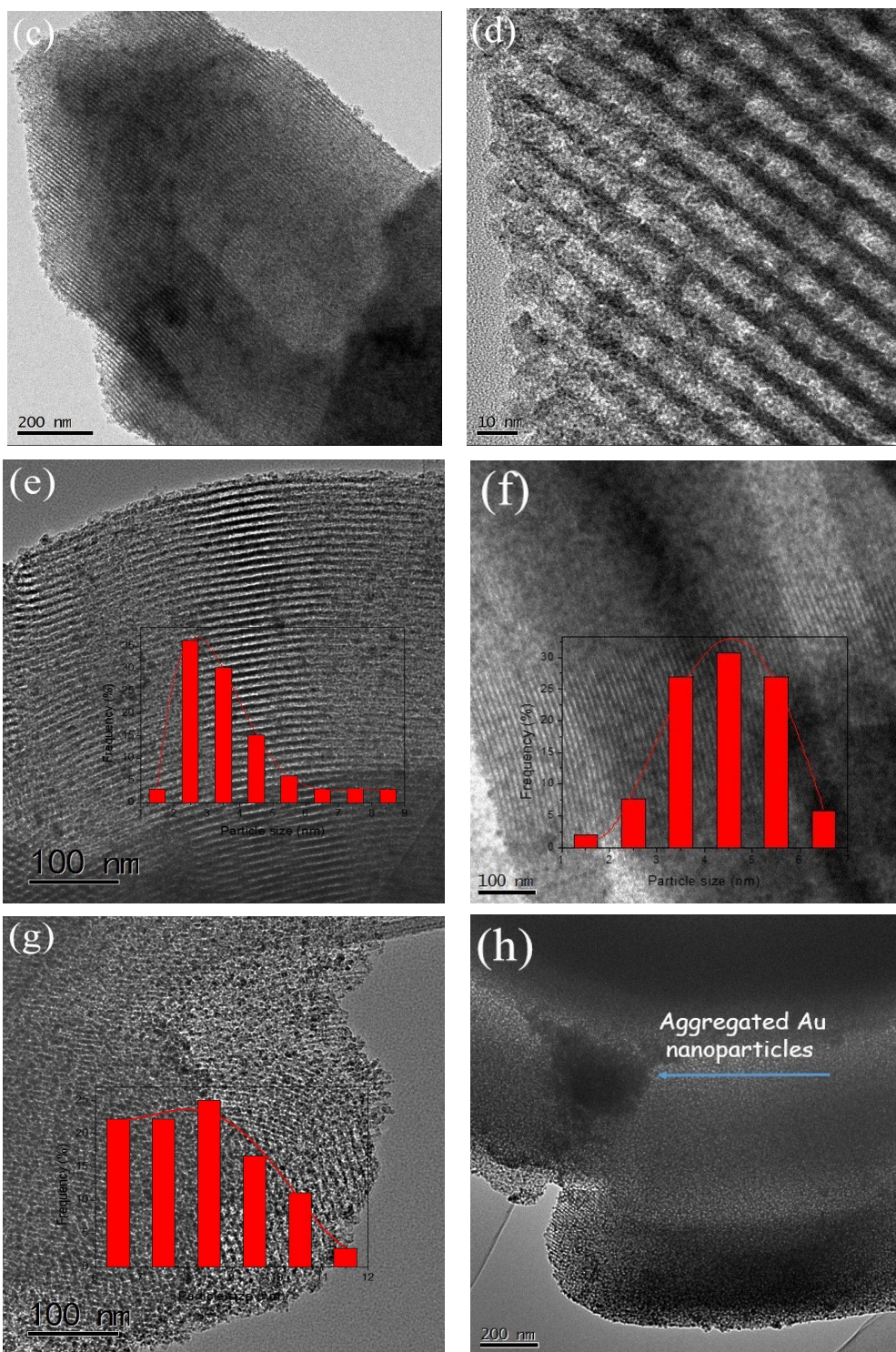


Fig S2 TEM and HRTEM of pristine SBA-15 (a)(b), TiO₂/SBA-15(c)(d), Au_{0.5}/TiO₂/SBA-15(e), Au₁/TiO₂/SBA-15(f), Au₅/TiO₂/SBA-15(g), and Au₂/TiO₂/SBA-15-PD(h).

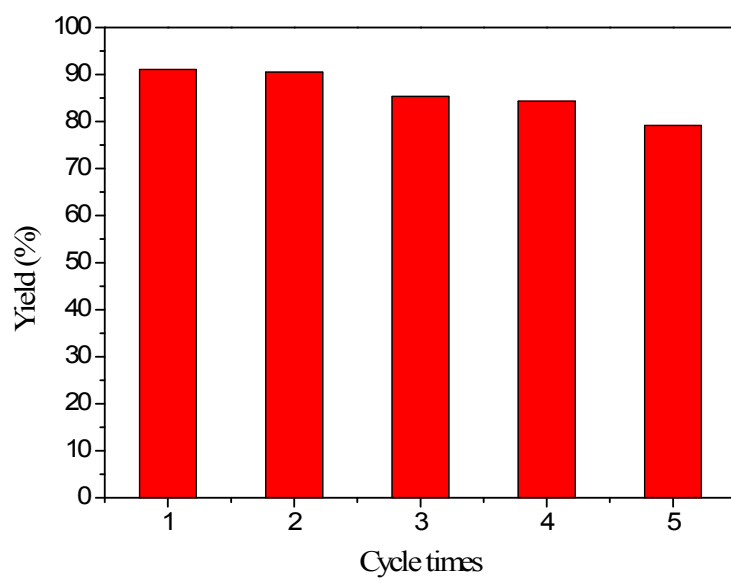


Fig S3 Recyclability tests of Au₂/TiO₂/SBA-15 for the selective oxidation of benzyl alcohol.