

Supporting information

Fig. S1 (a) Survey and high resolution XPS spectra of (b) Ti2p, O1s.

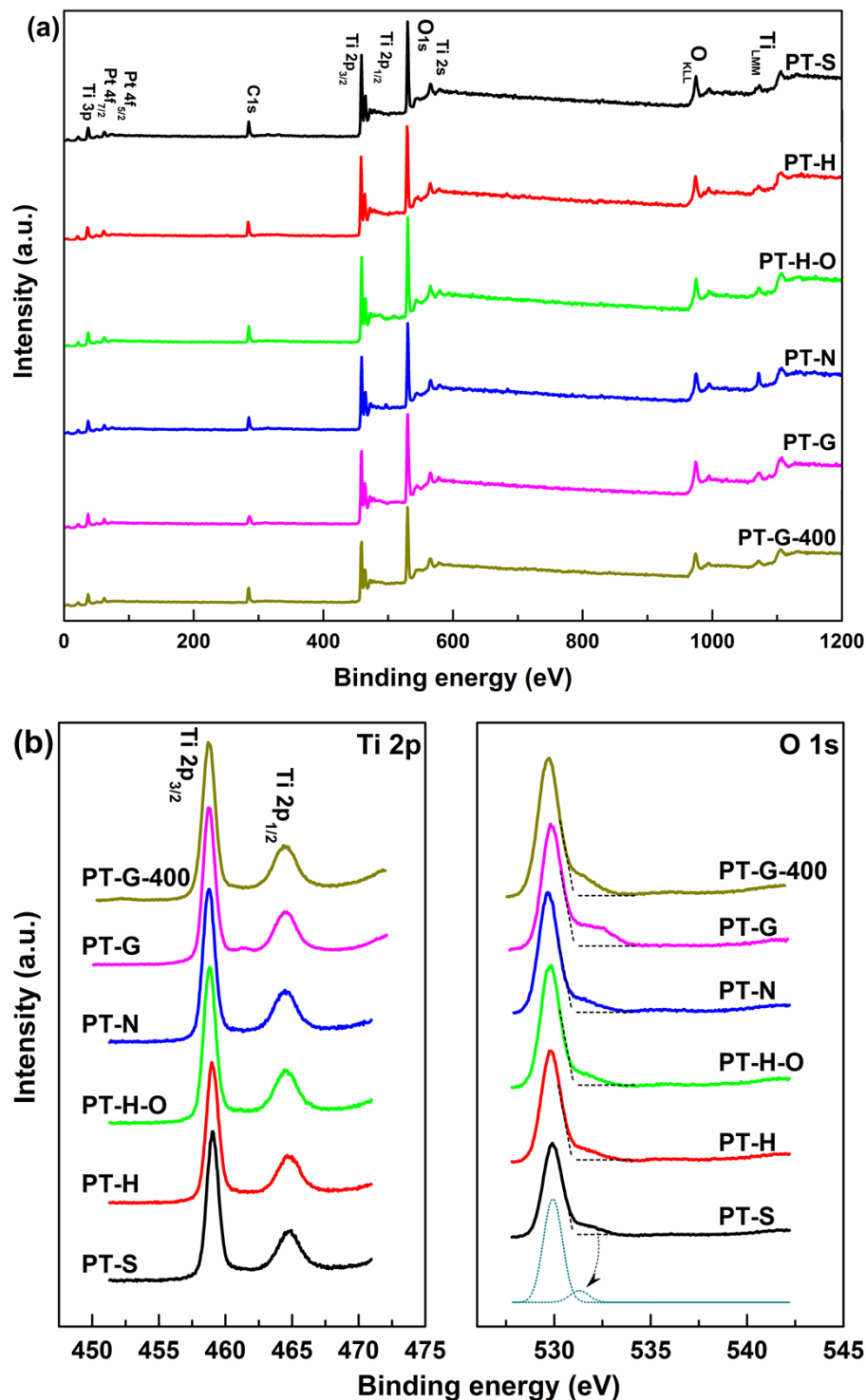


Fig. S2 The BET transform plots of $1/Q[(P_0/P)-1]$ versus P/P_0 .

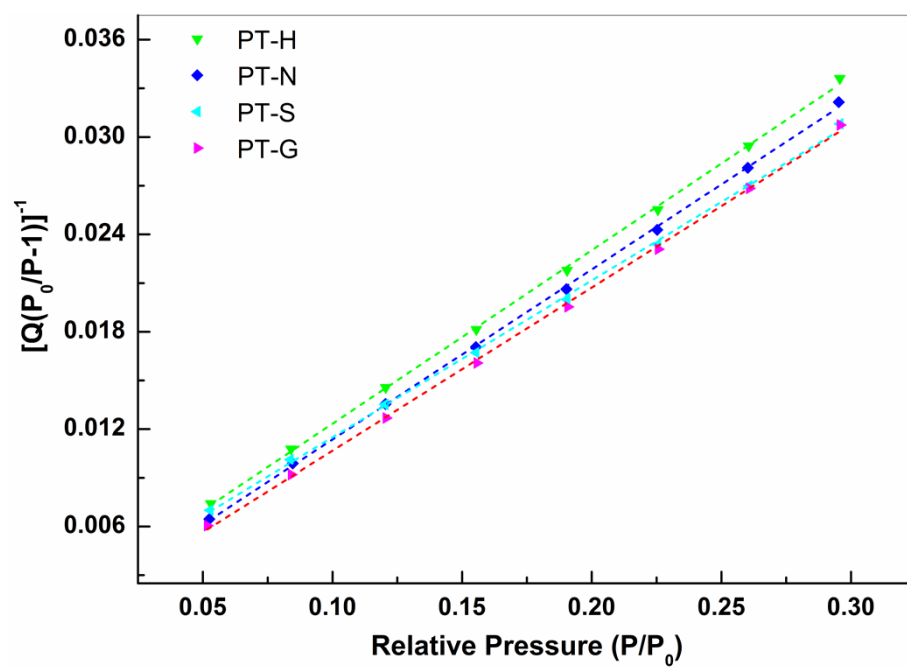


Fig. S3 PR of glycerol solution for H₂ evolution: photocatalyst, 300mg PT-S; solution, 0.01mL glycerol dissolved in 155 mL water.

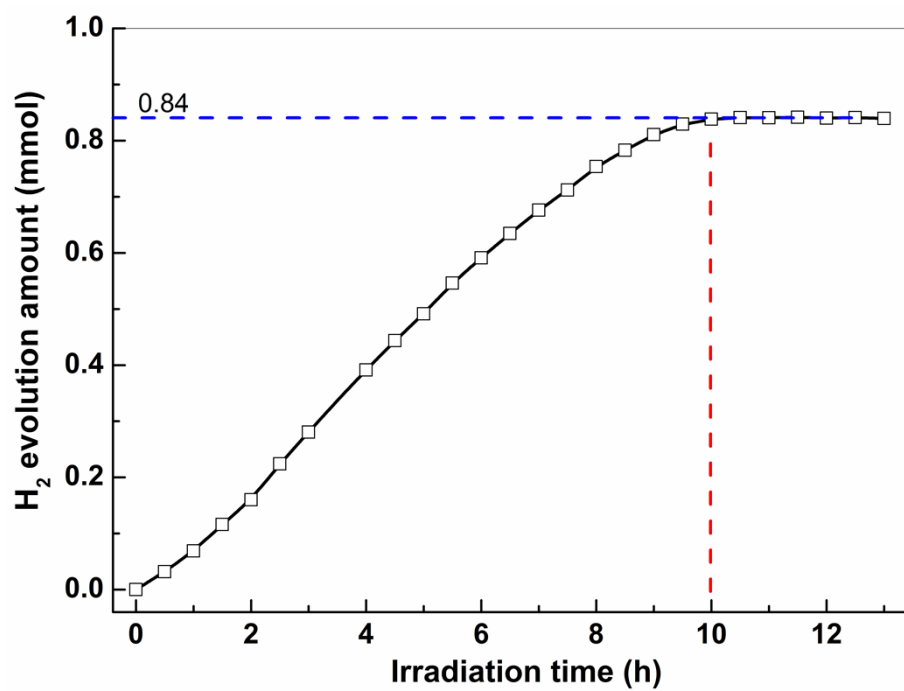


Fig. S4 The change of the reaction solution pH during PR of glycerol over PT-S.

