Supporting Information

Light-driving integration of reducing nitrobenzene to aniline and transforming glycerol into valuable chemicals in water

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Table of Contents

1. Figure S1

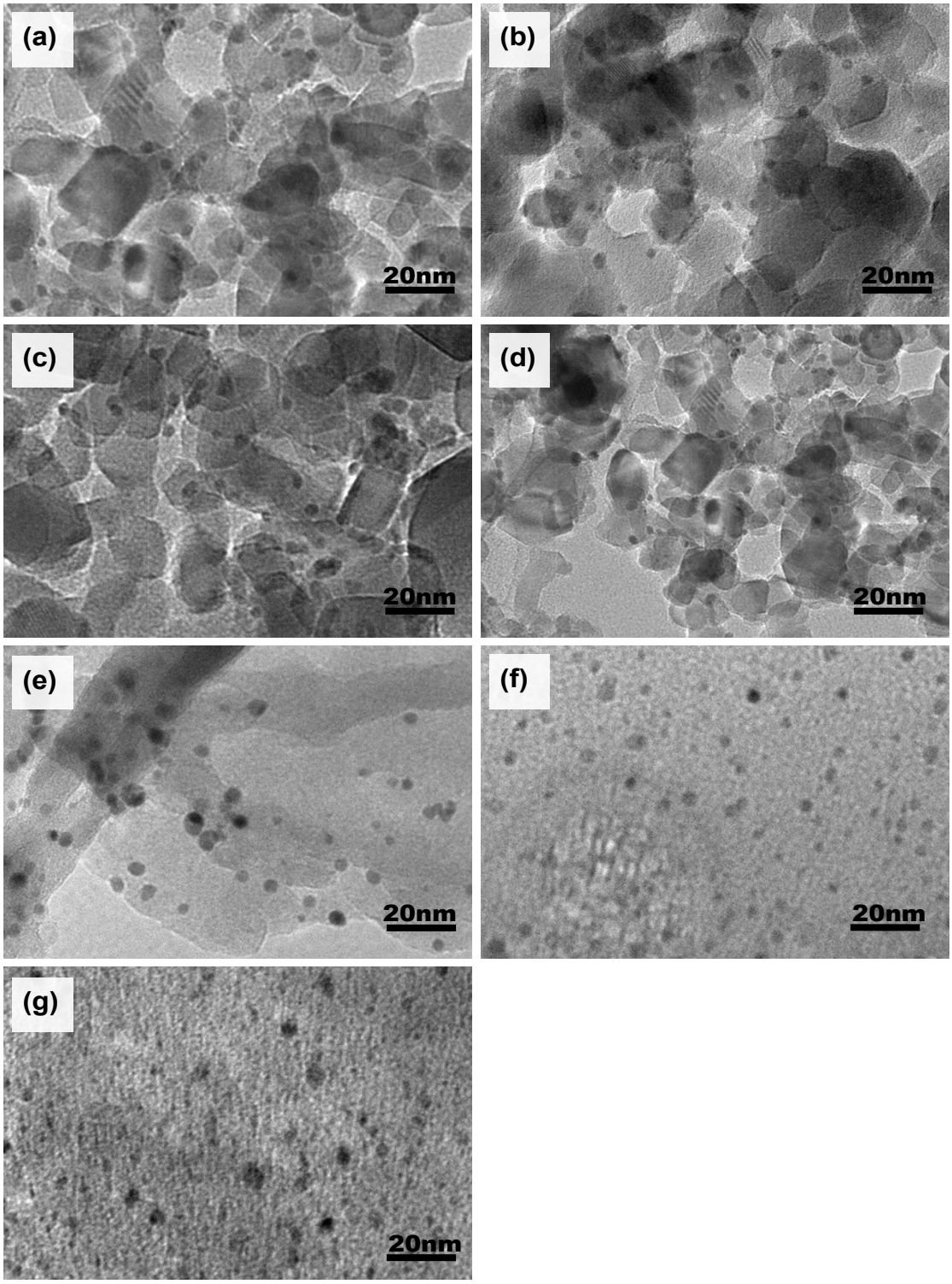

Figure S1. TEM images of various supported catalysts. (a) Pd/TiO_2(P-25), (b) Pt/TiO_2(P-25), (c) Rh/TiO_2(P-25), (d) Ru/TiO_2(P-25), (e) Pd/C_3N_4, (f) Pd/SiO_2 and (g) Pd/C.

2. Figure S2

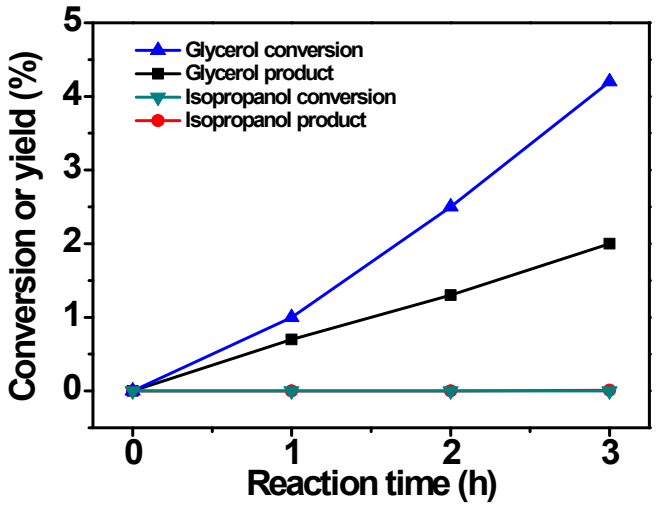

Figure S2. The conversion of glycerol and isopropanol in the photoreduction of nitrobenzene in glycerol/isopropanol aqueous solution. Reaction conditions: glycerol concentration 0.5 mol/L; isopropanol concentration 0.5 mol/L; water 5 mL; 25 mg Pd/TiO_2 (P-25) with 2 wt% Pd; temperature 25 ^oC.

3. Figure S3

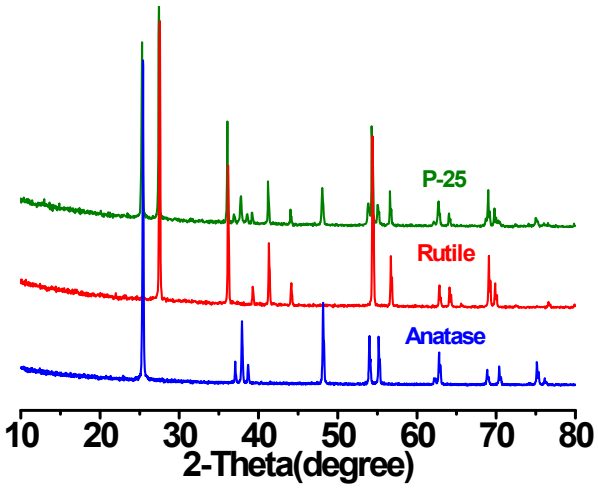

Figure S3. XRD patterns of the TiO_2 with different crystal phases.