Supporting Information

for

Sheet-on-belt branched TiO_2(B)/rGO powders with enhanced photocatalytic activity

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Additional FESEM images, low-temperature N_2 adsorption isotherms and photodegradation results to support the discussion

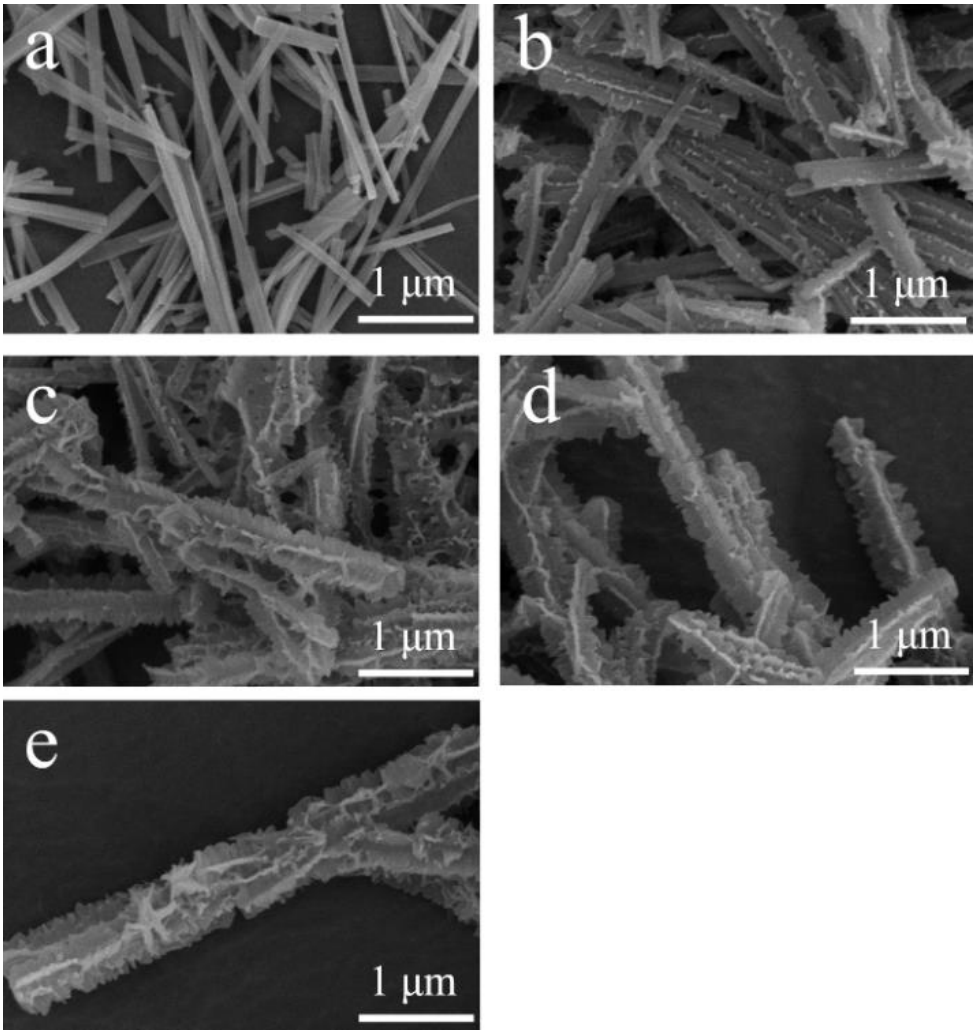

Figure S1: FESEM images of TGN-branches achieved by immersing in the precursor solution for (a) 0 h, (b) 2 h, (c) 4 h, (d) 6 h and (e) 8 h.

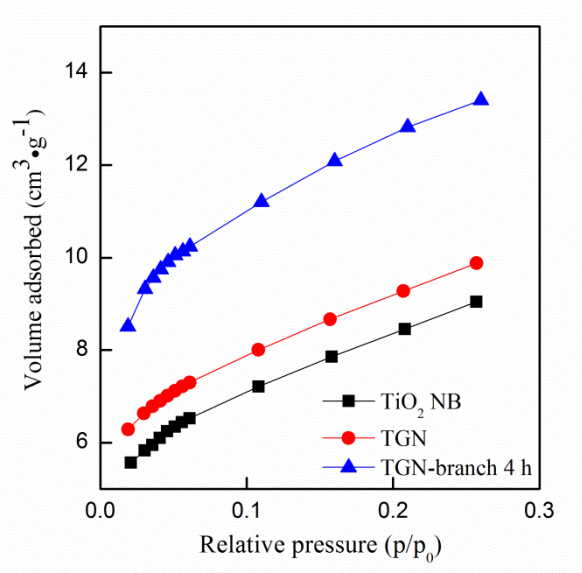

Figure S2: The low-temperature N_2 adsorption isotherms of the pristine TiO_2 nanobelt (TiO_2 NB), TGN and TGN-branch 4 h.

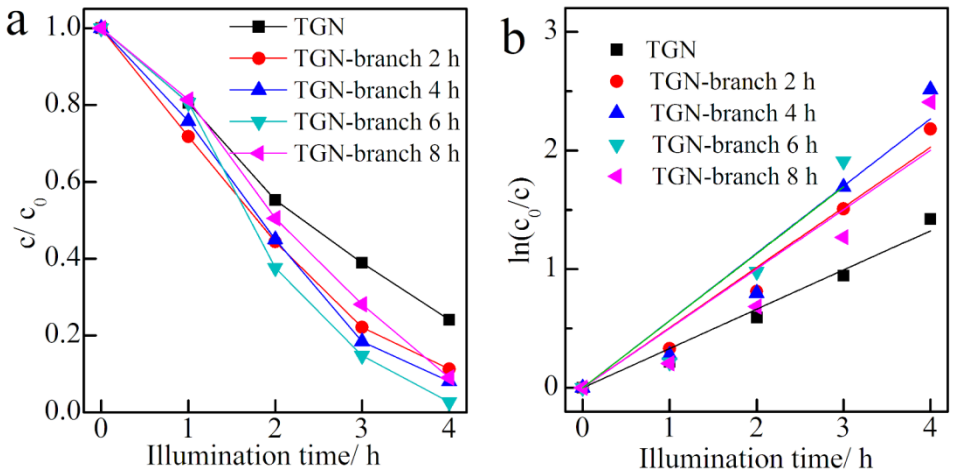

Figure S3: Photodegradations of phenol in the presence of TGN and TGN-branches achieved by immersing in the precursor solution for various durations, under UV light illumination: (a) the degradation curves; (b) the fitting results assuming a pseudo-first order reaction.