

Electronic Supplementary Information for

Facile synthesis of Ni-doped TiO₂ ultrathin nanobelt arrays with enhanced photocatalytic performance

Jun-Qiang Bai ^a, Wei Wen ^b and Jin-Ming Wu ^{*a}

^a State Key Laboratory of Silicon Materials, and School of Materials Science and Engineering, Zhejiang University, Hangzhou 310027, P. R. China; E-mail:

msewjw@zju.edu.cn

^b College of Mechanical and Electrical Engineering, Hainan University, Haikou 570228, P. R. China.

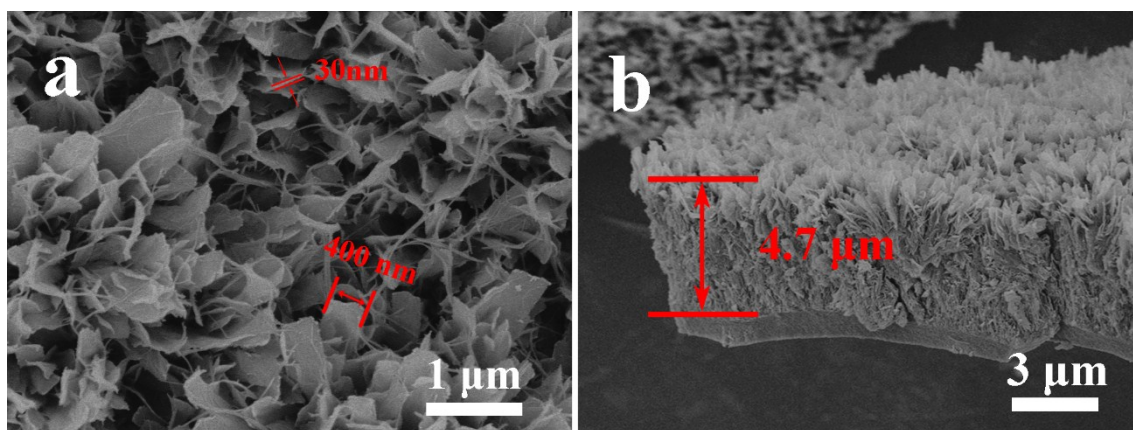


Fig. S1 FESEM images of alkali-hydrothermal TiO₂ nanobelt arrays: (a) top view, and (b) cross-sectional view.

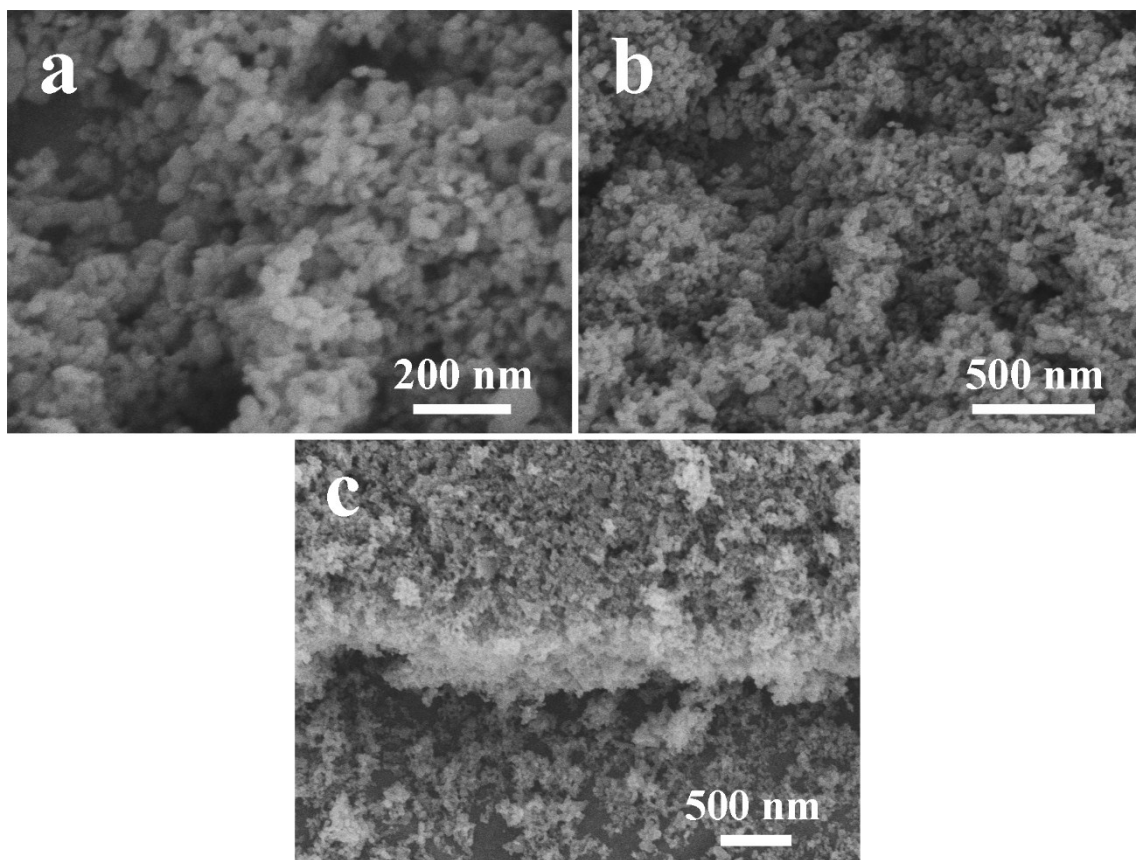


Fig. S2 (a, b) top-view and (c) cross-sectional FESEM images of the P25 nanoparticulate film.

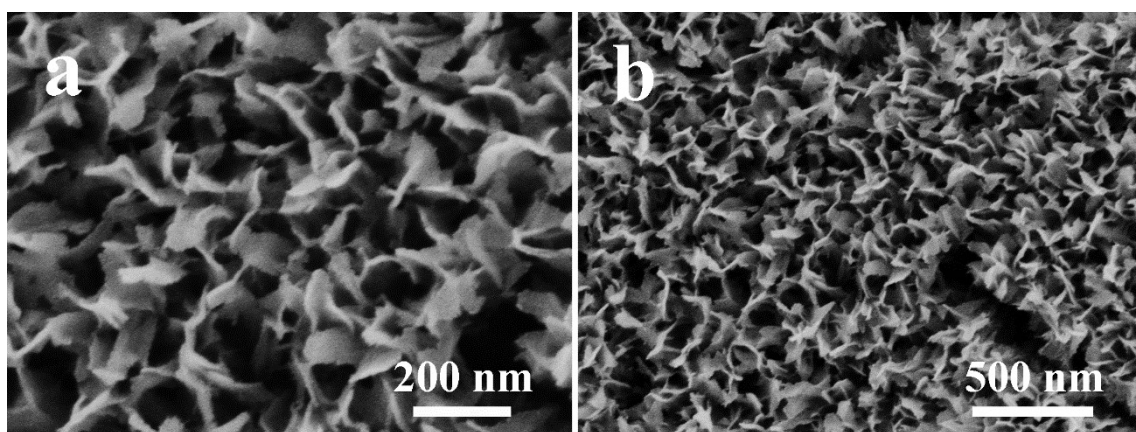


Fig. S3 FESEM images of the as-synthesized Ni-doped hydrogen titanate nanobelt arrays.

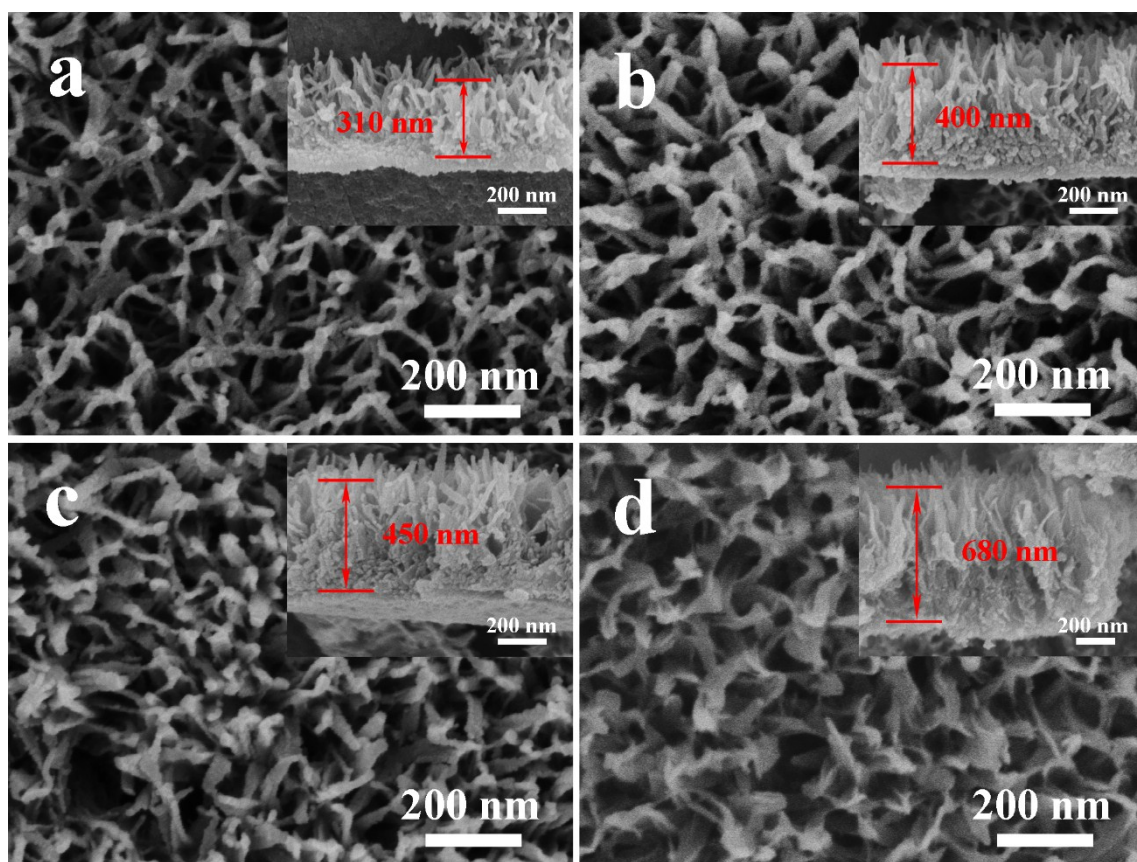


Fig. S4 FESEM images of Ni-doped TiO₂ nanobelt arrays precipitated for (a) 3 h, (b) 6 h, (c) 12 h, and (d) 24 h. Insets show the corresponding cross-sectional images.

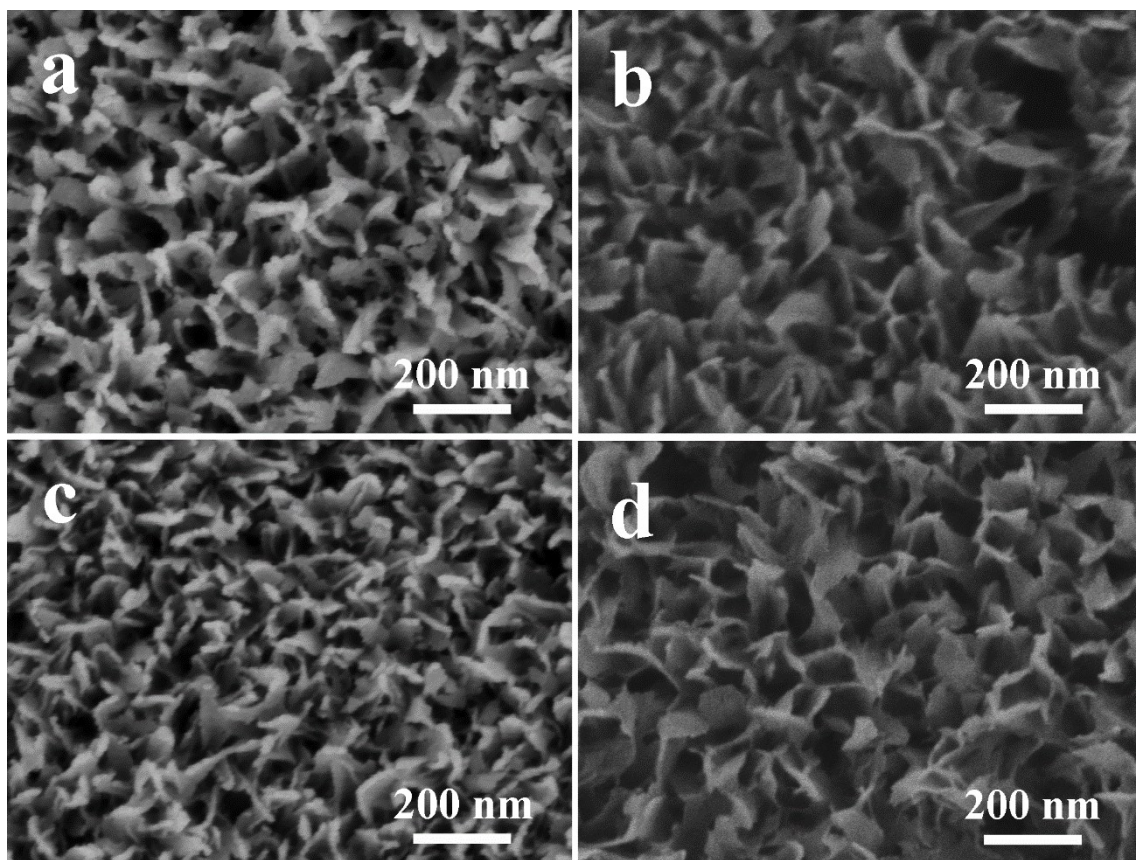


Fig. S5 FESEM images of Ni-doped TiO_2 nanobelt arrays derived with various nickel nitrate concentrations of (a) 0 mM, (b) 1.5 mM, (c) 3.0 mM, and (d) 6.0 mM in the solution for combustion to prepare the black precursor.