

Supplementary information for

Low temperature synthesis and characterization of the substitutional Na-modified $\text{K}_2\text{Ti}_6\text{O}_{13}$ nanobelts with improved photocatalytic activity under UV irradiation

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Figure captions

Fig. S1 (a-c) The enlarged XRD pattern of Fig. 1 for the NKTO samples.

Fig. S2 The comparative study of XRD patterns for the samples (a):NKTO-660; (b): 56% $\text{K}_2\text{Ti}_6\text{O}_{13}$ + 44% $\text{Na}_2\text{Ti}_6\text{O}_{13}$ (analyzed by the EDS results), indicating that there is no single-phase $\text{Na}_2\text{Ti}_6\text{O}_{13}$ existing in NKTO nanobelts.

Fig. S3 The XRD pattern of raw material of anatase TiO_2 and the samples obtained at 660°C and 700°C.

Fig. S4 Nitrogen adsorption-desorption isotherms of the Degussa P25 powders.

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