

Electronic Supplementary Information

for

Modulation of titania nanoflower arrays transformed from titanate nanowire arrays to boost photocatalytic Cr(VI) detoxification

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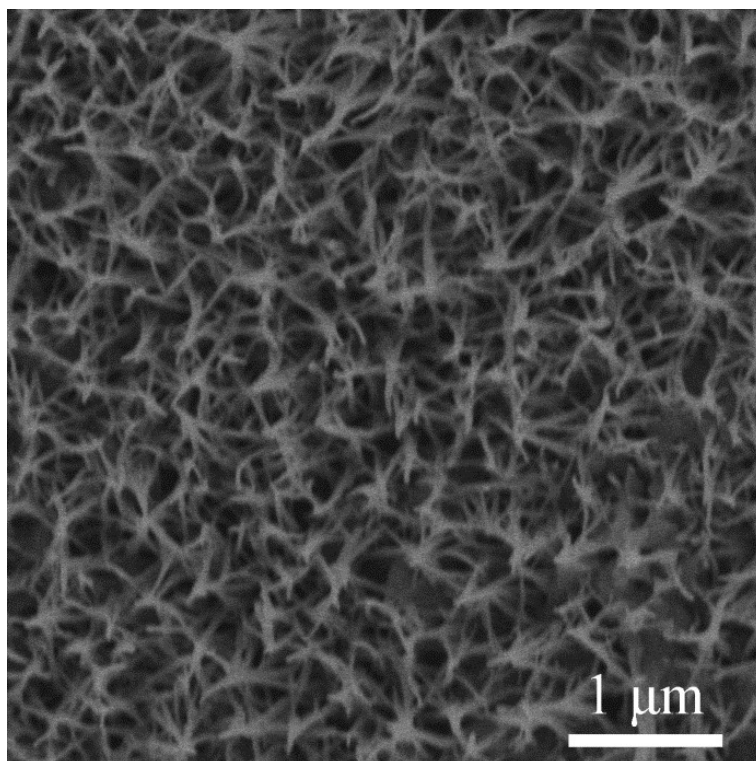


Fig. S1 FESEM image of the titanate nanowire arrays.

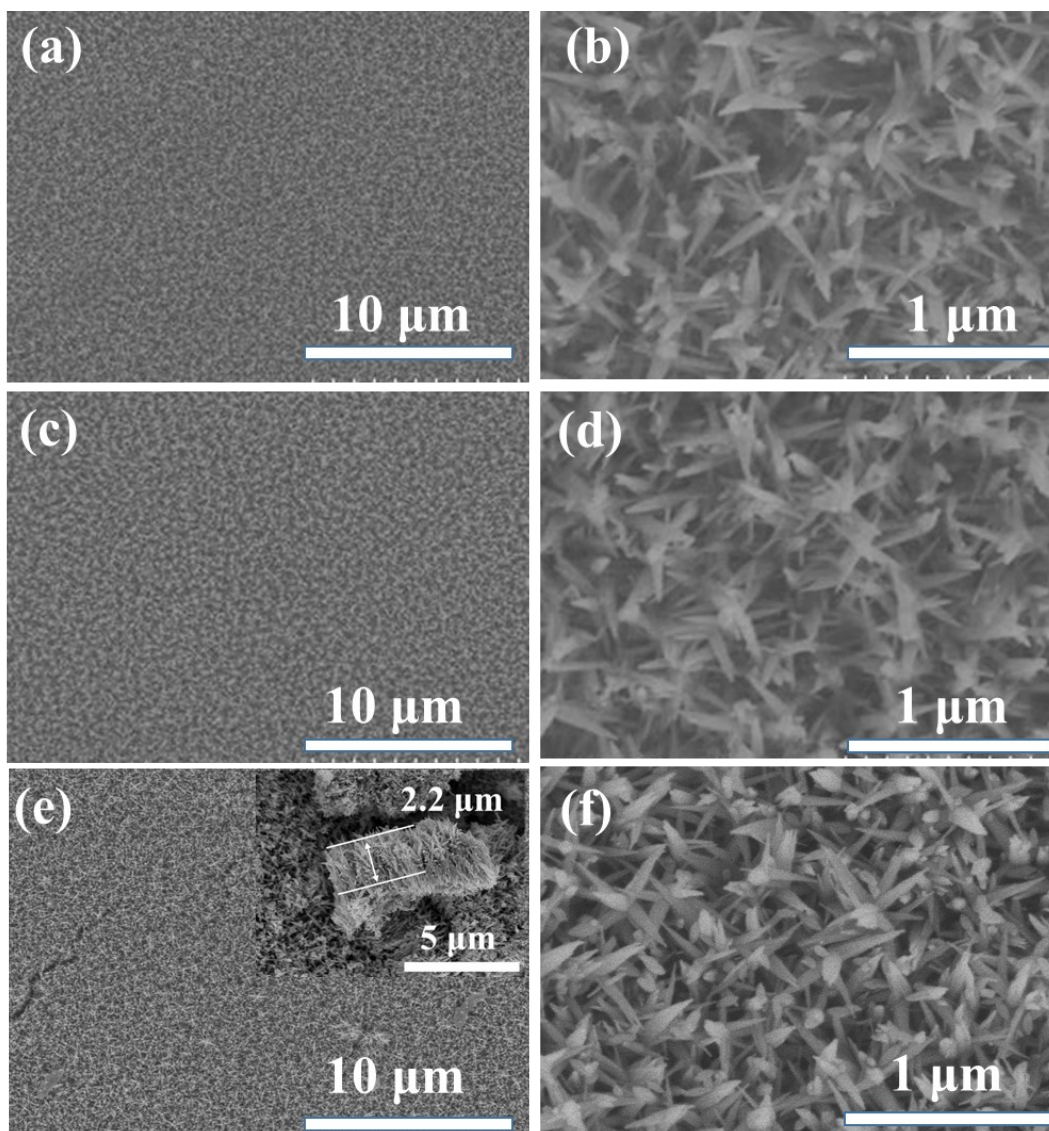


Fig. S2 FESEM images of the NF-10 (a, b), the NF-100 (c, d), and the NF-200 (e, f).

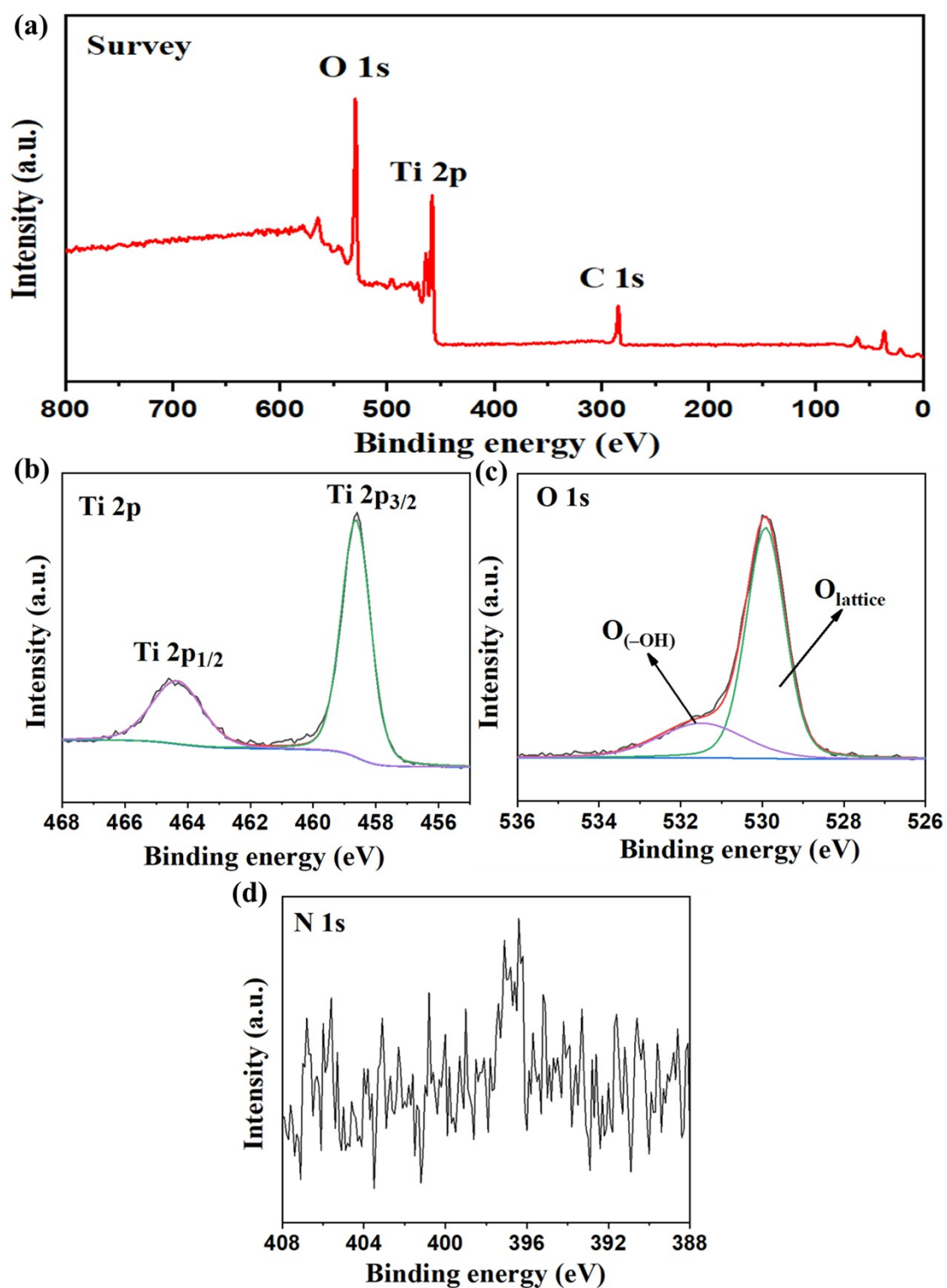


Fig. S3 (a) Survey XPS spectrum and (b-d) High-resolution XPS spectra of Ti 2p, O 1s and N 1s for the NW.

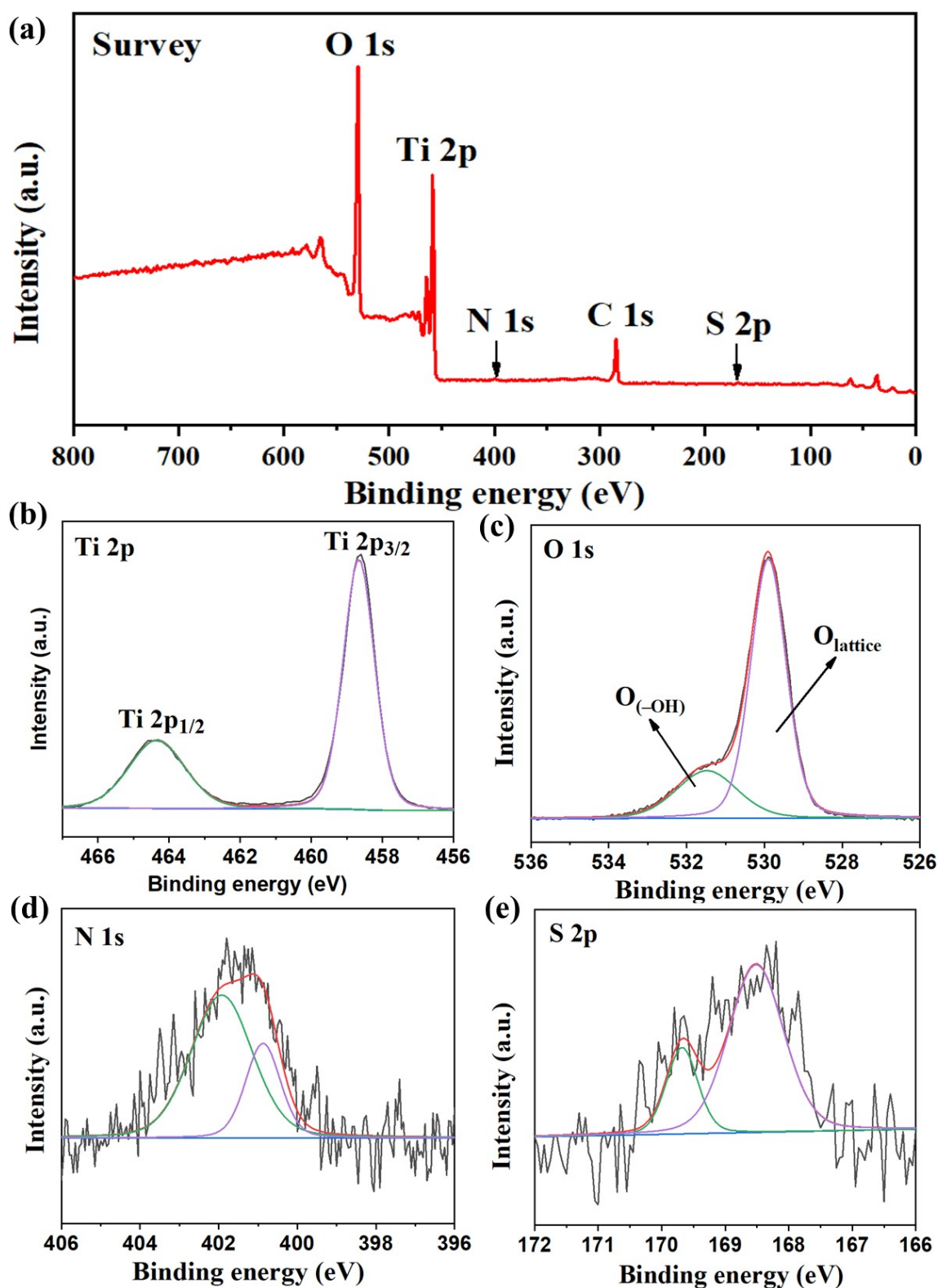


Fig. S4 (a) Survey XPS spectrum and (b-e) High-resolution XPS spectra of Ti 2p, O 1s, N 1s, and S 2p for the NF-0.

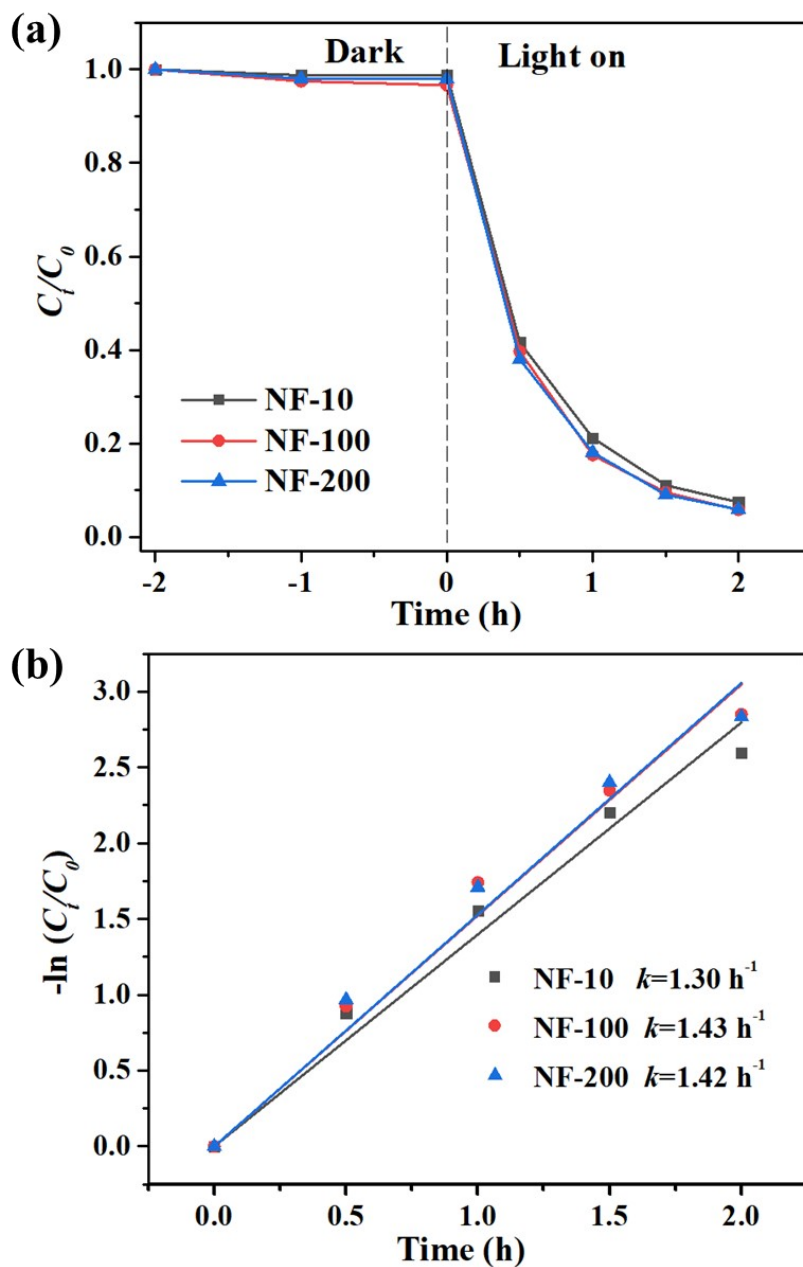


Fig. S5 (a) The degradation curves and (b) the corresponding fitting curves assuming a pseudo-first order reaction for different catalysts of the NF-10, NF-100 and NF-200.

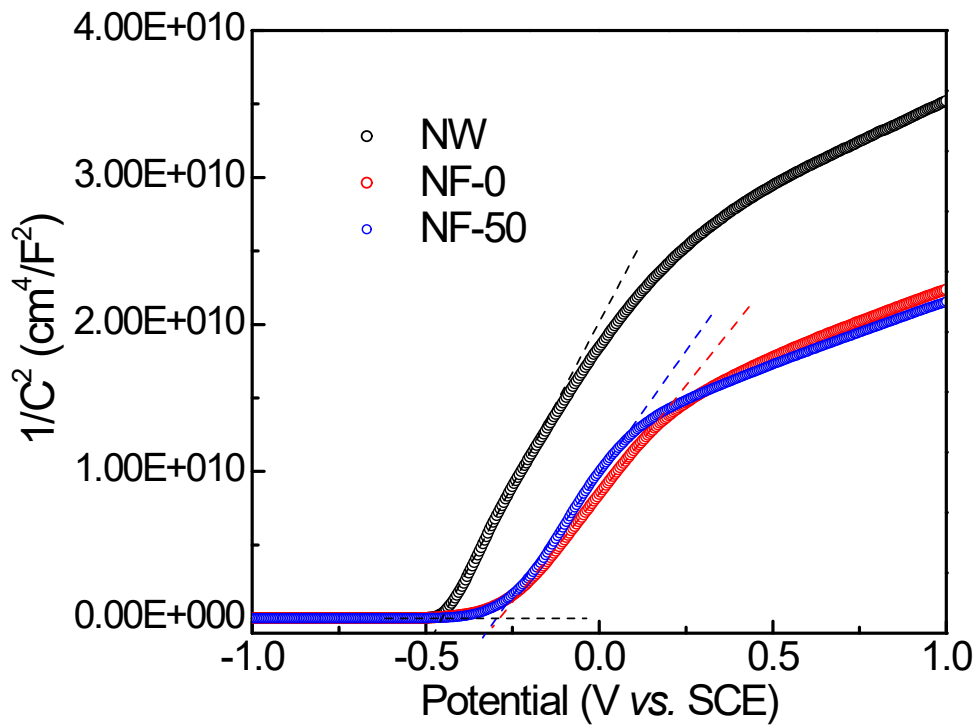


Fig. S6 The Mott–Schottky plots of the NW, NF-0, and NF-50.