

Supporting Information

For

Potassium Niobate Nanostructures: Controllable Morphology, Growth Mechanism, and Photocatalytic Activity

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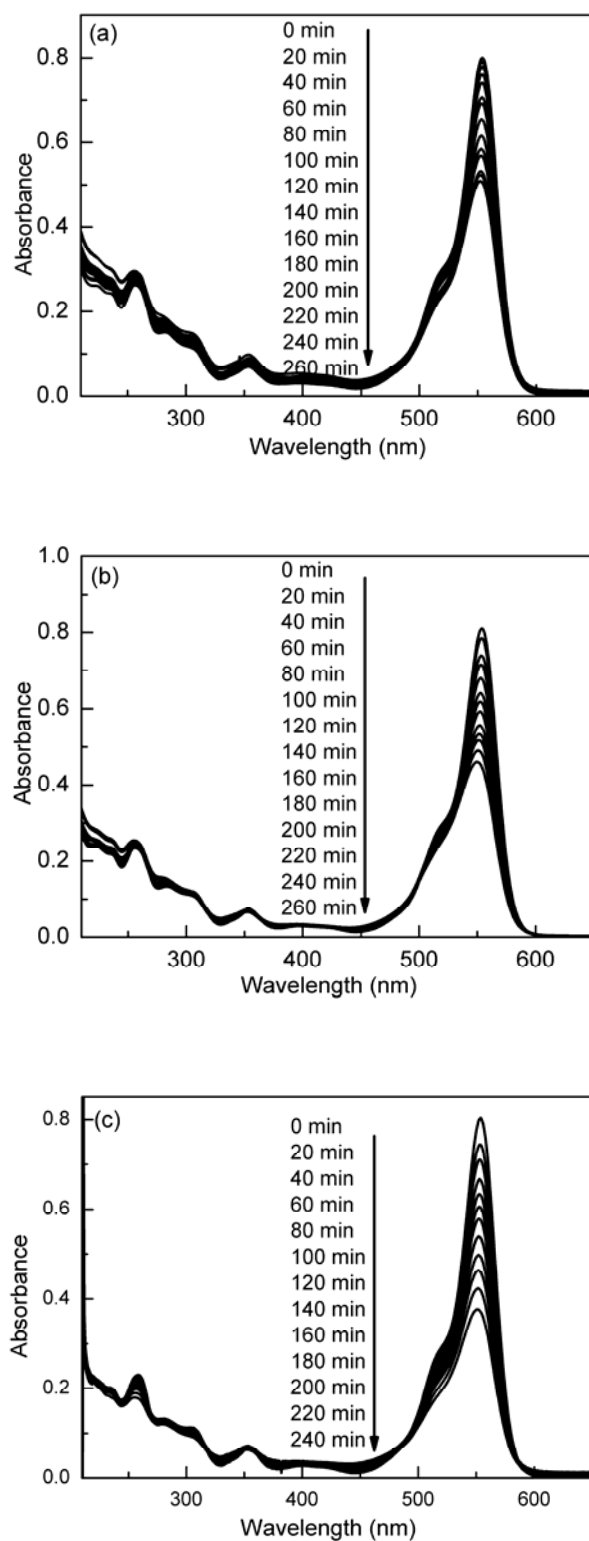


Figure S1. UV-vis spectral changes of RhB as a function of irradiation time catalyzed by KNbO_3 nanotowers synthesized at (a) 150 °C, (b) 200 °C and (c) nanorods synthesized at 250 °C.

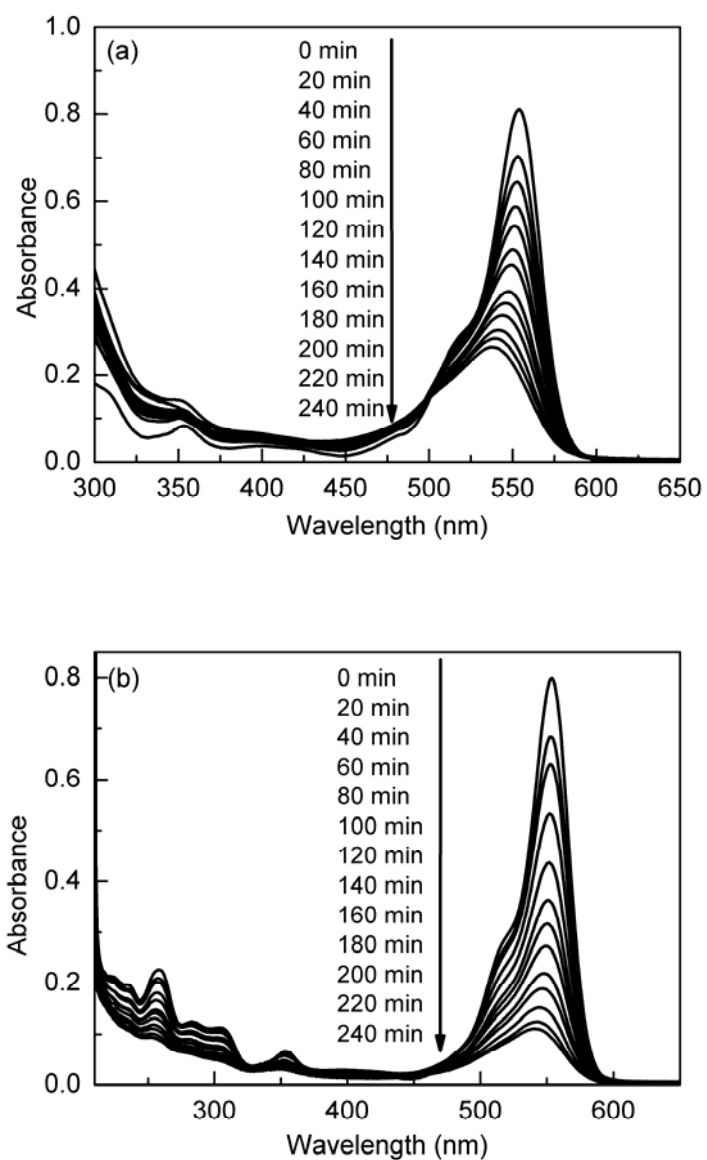


Figure S2. UV-vis spectral changes of RhB as a function of irradiation time catalyzed by (a) KNbO₃ nanowires and (b) KNbO₃ nanocubes.

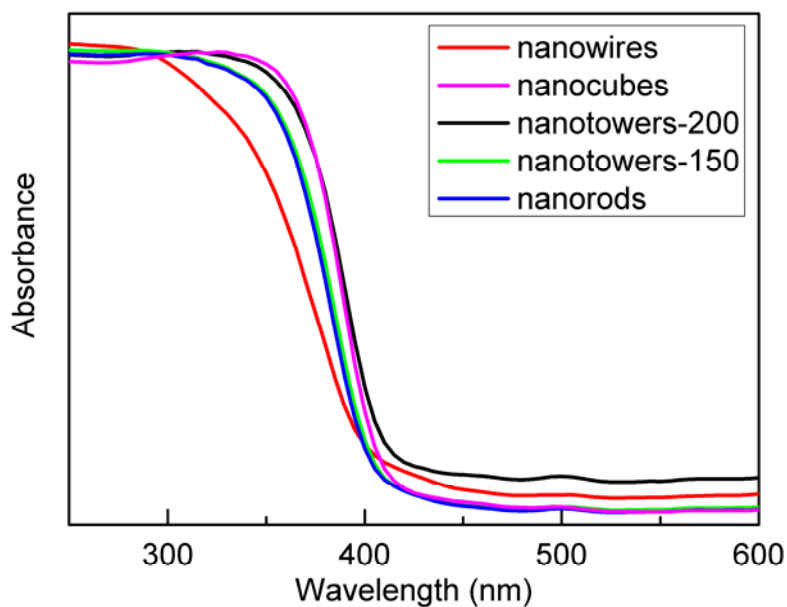


Figure S3. UV-vis diffuse reflectance spectra of various KNbO₃ nanostructures.

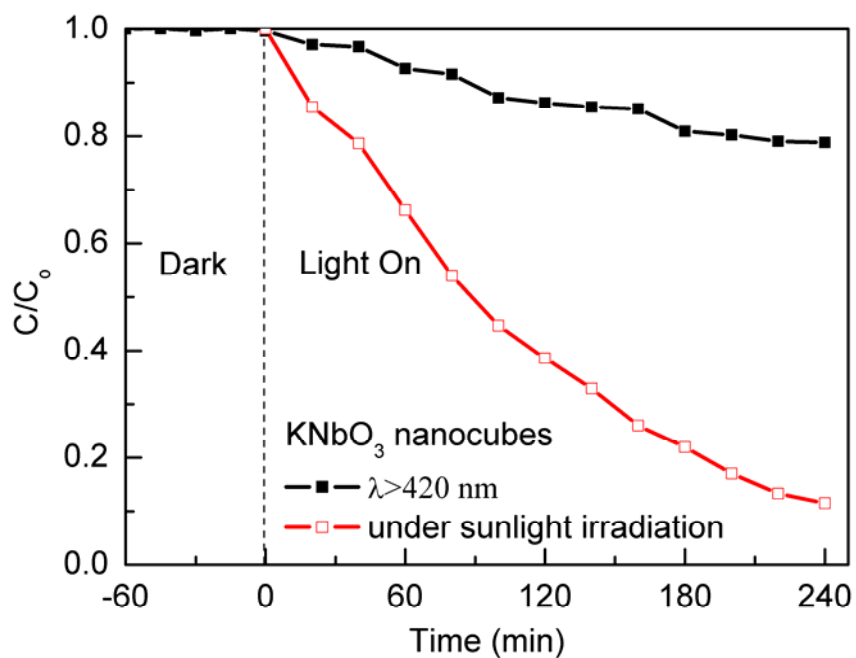


Figure S4. Adsorption (dark zone), photosensitization ($\lambda > 420$ nm) as well as intrinsic photocatalytic effects in RhB degradation upon the KNbO₃ nanocubes.