



## Article

# Natural Cotton Cellulose-Supported TiO<sub>2</sub> Quantum Dots for the Highly Efficient Photocatalytic Degradation of Dyes

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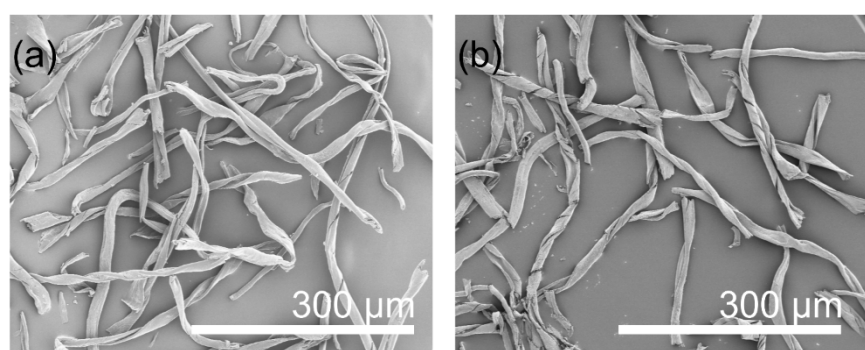


Figure S1. SEM images for CC (a) and TQDs/CC sample (b), respectively.

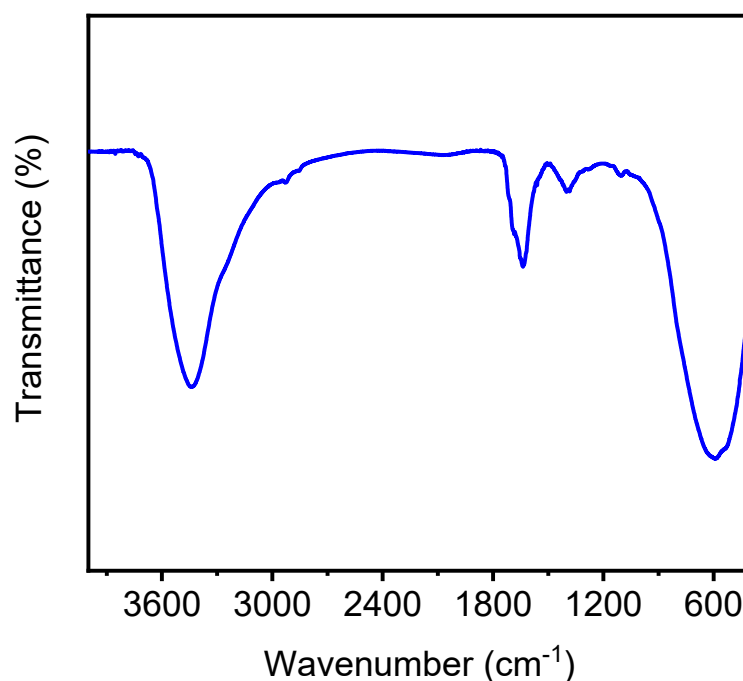
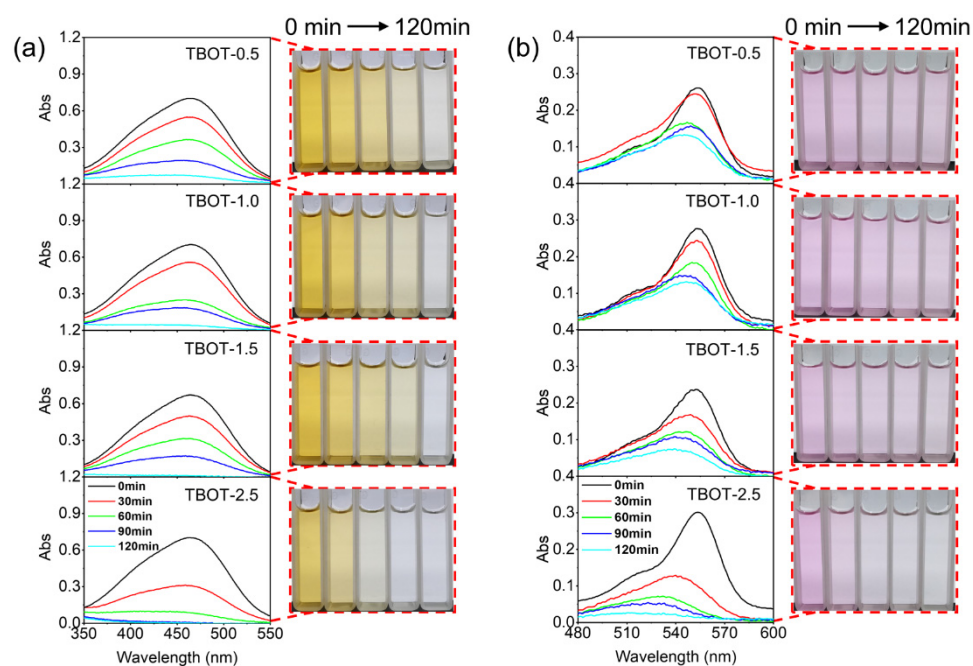


Figure S2. FT-IR spectrum of commercial anatase TiO<sub>2</sub>.



**Figure S3.** UV-vis curve for MO (a) and RhB (b) under different TQDs/CC sample photodegradation.

**Table S1.** Correlation coefficient and kinetic constants of MO and RhB photodegradation.

	MO		RhB	
	$R^2$	$k \text{ (min}^{-1}\text{)}$	$R^2$	$k \text{ (min}^{-1}\text{)}$
TQD/CC-0.5	0.825	0.0156	0.944	0.0068
TQD/CC-1.0	0.815	0.0183	0.972	0.0072
TQD/CC-1.5	0.670	0.0241	0.994	0.0116
TQD/CC-2.5	0.908	0.0373	0.978	0.0273