

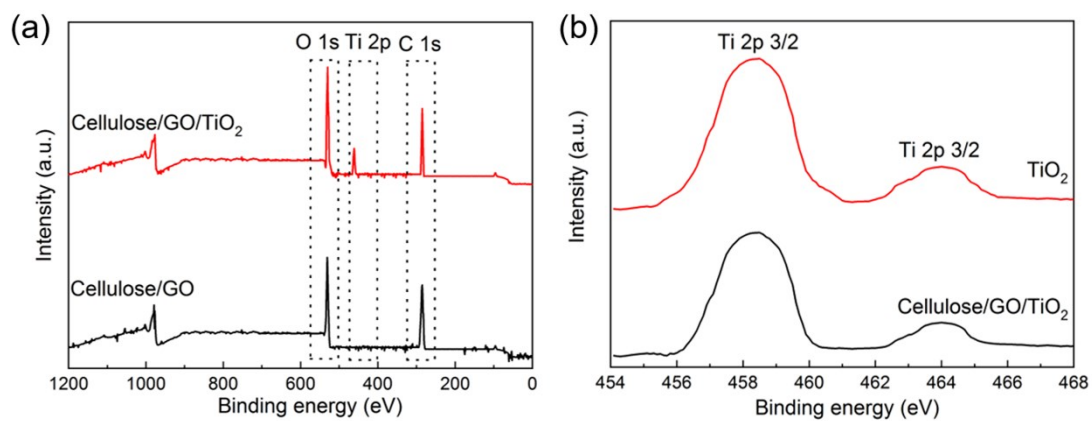
## Supporting Information (SI)

### Effective photocatalytic degradation and physical adsorption of methylene blue using cellulose/GO/TiO<sub>2</sub> hydrogels

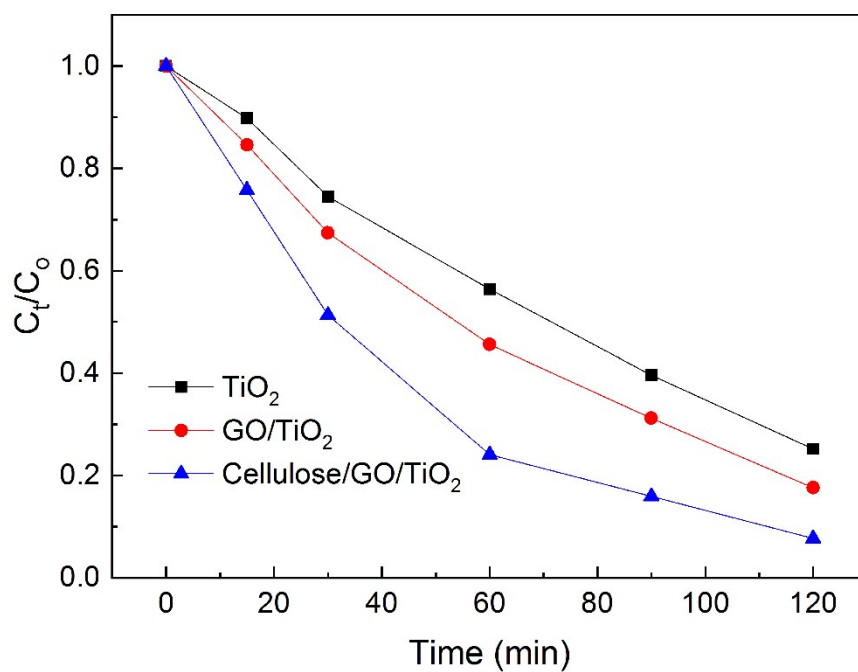
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**Fig. S1.** (a) XPS survey spectra of cellulose/GO and cellulose/GO/TiO<sub>2</sub>. (b) High-resolution spectra of Ti 2p.



**Fig. S2.** Photocatalytic degradation rate of MB over bare  $TiO_2$ ,  $GO/TiO_2$ , and cellulose/ $GO/TiO_2$  under UV light.