

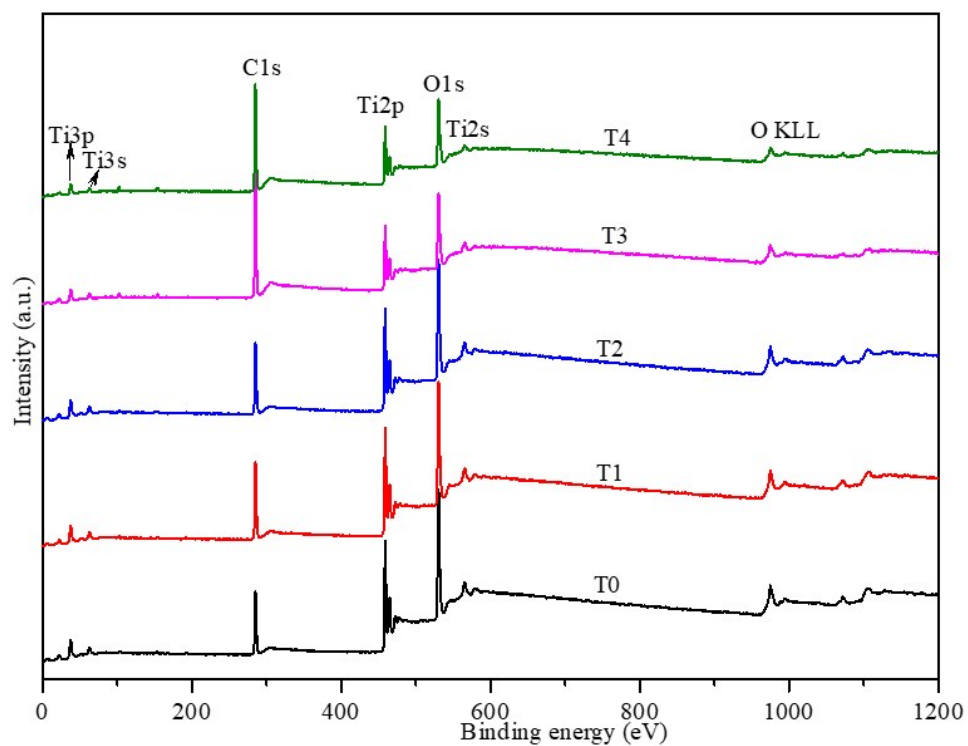
*Supporting Information*

**Mesoporous (101)-TiO<sub>2</sub> nanocrystal with tailored Ti<sup>3+</sup> and surface oxygen vacancy for boosting photocatalytic hydrogenation of nitrobenzenes**

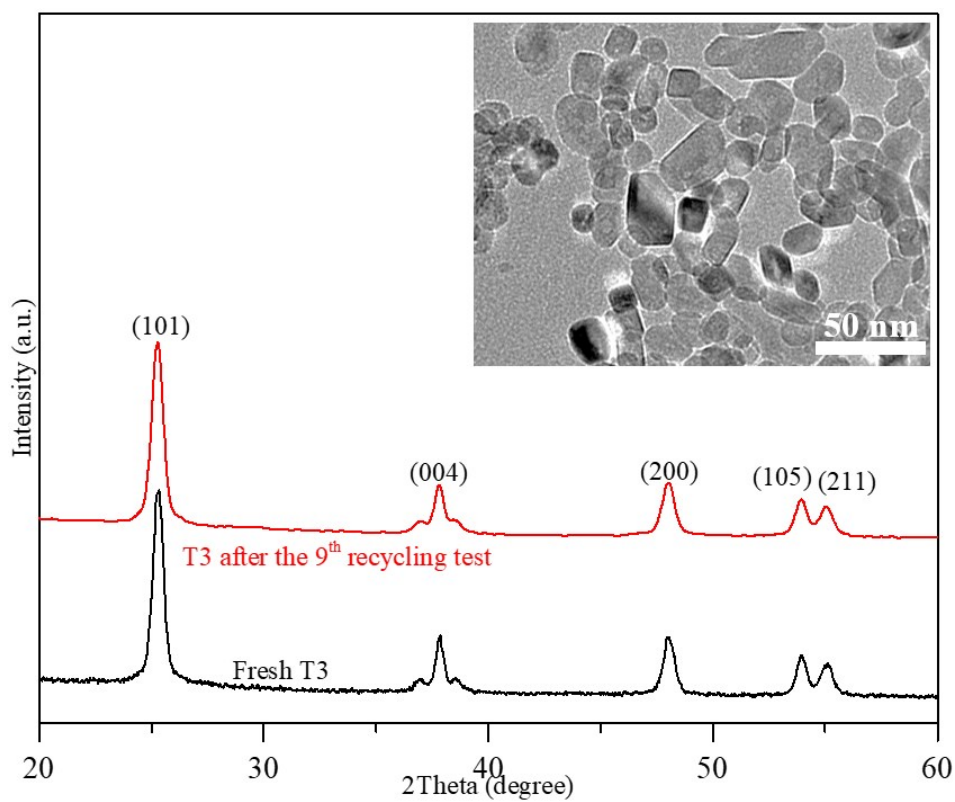
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**Fig. S1** XPS surveys of different photocatalysts.



**Fig. S2** TEM image and XRD pattern of T3 for photocatalytic hydrogenation of nitrobenzene after the 9<sup>th</sup> recycling test.