Supplementary Information for

In Situ Reduction-Generated Ag^0 Plasmonic Sites on Ti_3C_2/Ag_2NCN Schottky Heterojunctions for Efficient Photocatalytic Tetracycline Degradation

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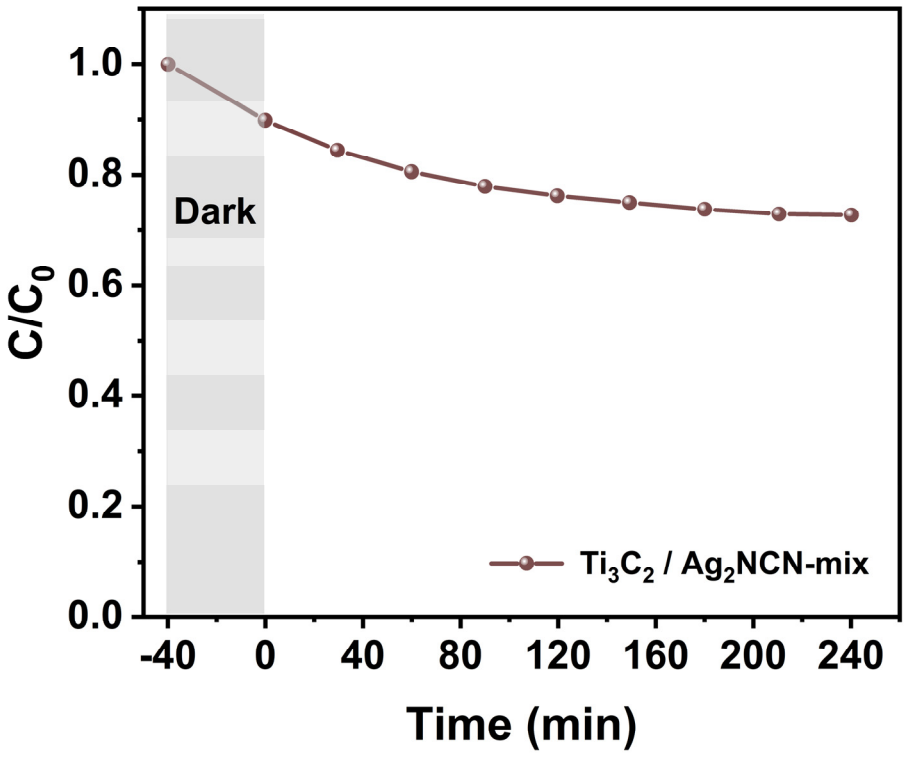


Figure S1. Photocatalytic degradation performance of tetracycline over the Ti_3C_2/Ag_2NCN-mix samples.

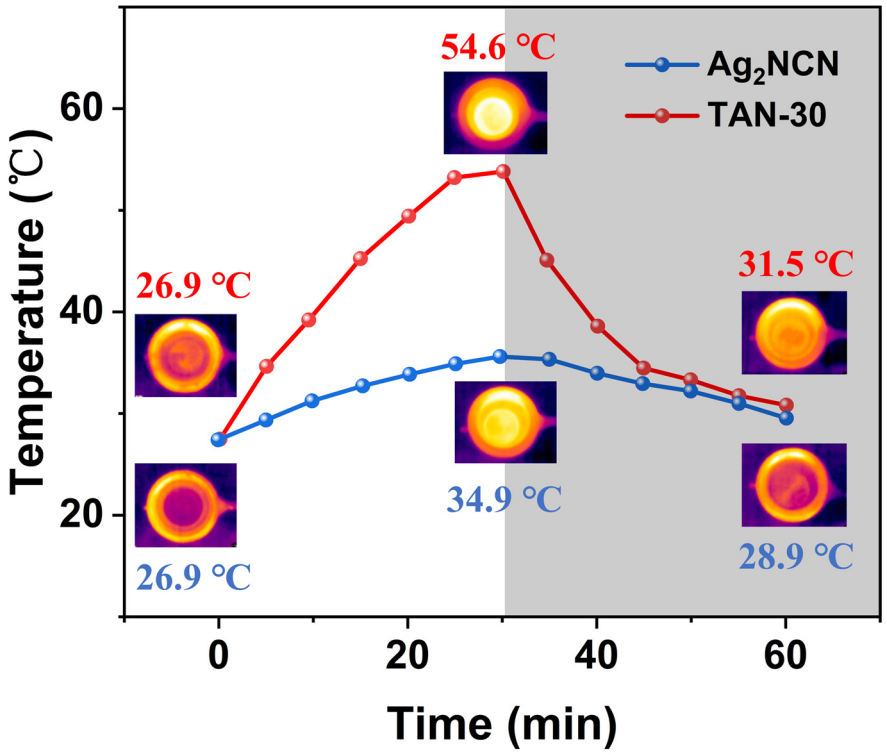


Figure S2. Temperature change of Ag_2NCN and TAN-30 under/after VL (inset: IR images).

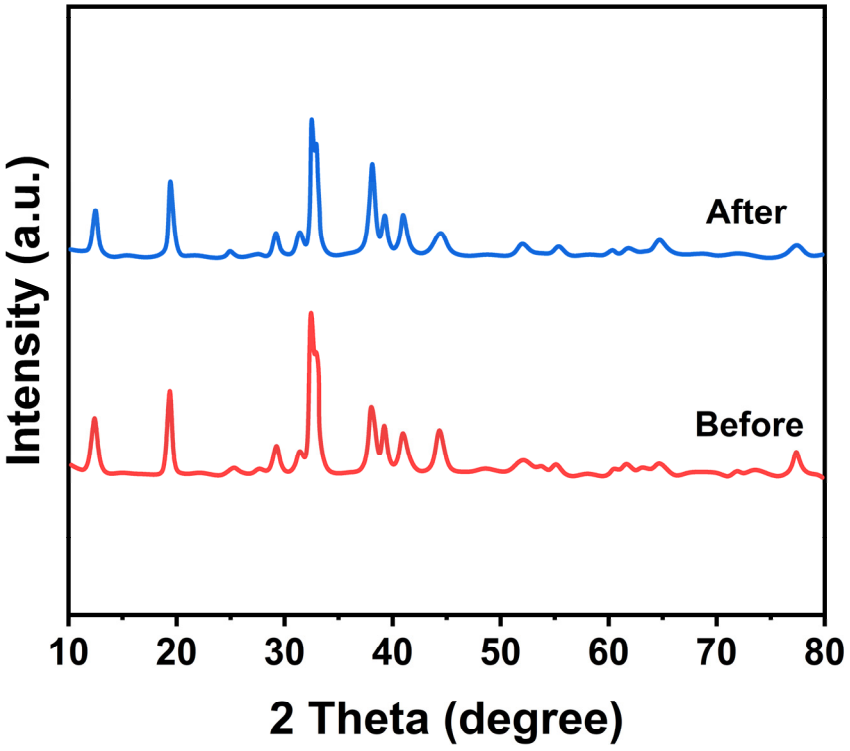


Figure S3. XRD patterns of the TAN-30 after cycling four times.

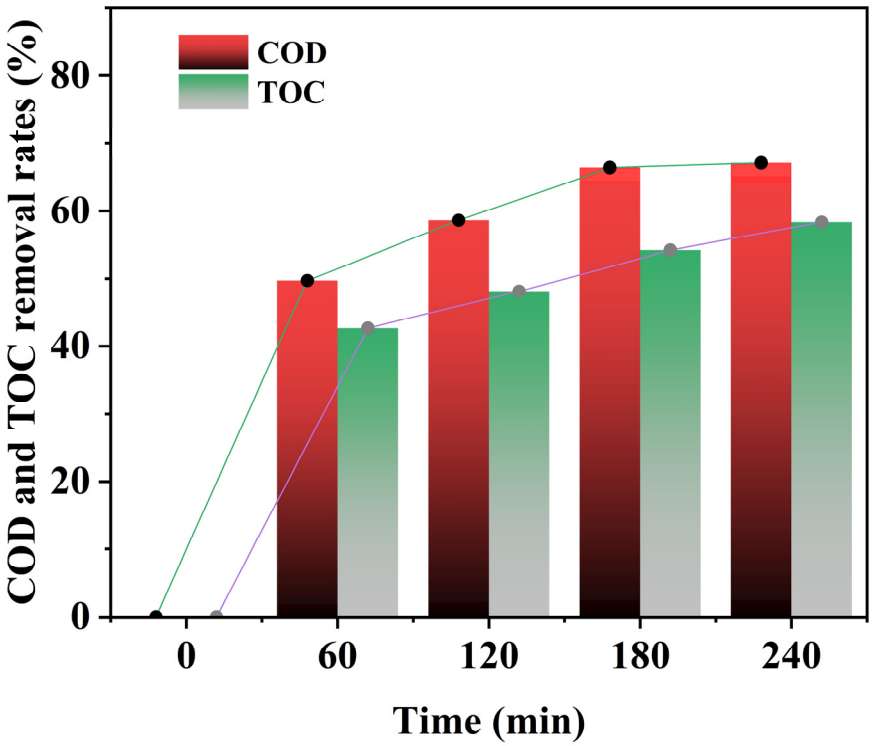


Figure S4. The COD and TOC removal rate of TC over TAN-30 nanocomposite.

Table S1. Peak area and peak area ratio of Ag^{+} and Ag^{0} in TAN composites from Ag 3d high-resolution XPS.

Samples	**Ag^{0} peak area**	**Ag^{+} peak area**	**Ag^{0}/ Ag^{+} peak area ratio**
TAN-10	7538.2	23184.6	1:3.08
TAN-20	8416.8	25126.9	1:2.99
TAN-30	9517.1	27435.2	1:2.88
TAN-50	10725.9	28985.3	1:2.71