

**Growth of 3D-TNAs@Ti-MOFs by dual titanium source strategy  
with enhanced photoelectrocatalytic/photoelectro-Fenton  
performance for degradation of tetracycline under visible light  
irradiation**

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**Fig.S1** SEM images of (a, b) unmodified 3D-TNAs on titanium mesh and (c) 3D-TNAs@NH<sub>2</sub>-MIL-125 with a reaction time of 20 h.

**Fig.S2** SEM images of (a) MIL-125 and (b) NH<sub>2</sub>-MIL-125.

**Fig.S3** (a) UV-Vis absorption spectra and (b) curves of  $(Ah\nu)^2$  against  $h\nu$  of 3D-TNAs, 3D-TNAs@NH<sub>2</sub>-MIL-125 and NH<sub>2</sub>-MIL-125.

**Fig.S1**

**Fig.S2**

Fig.S3

