

Supplementary document for

**Microwave-assisted synthesis of self-assembled C-doped-ZnO/g-C₃N₄
heterojunction catalyst for effective photodegradation of ofloxacin antibiotic**

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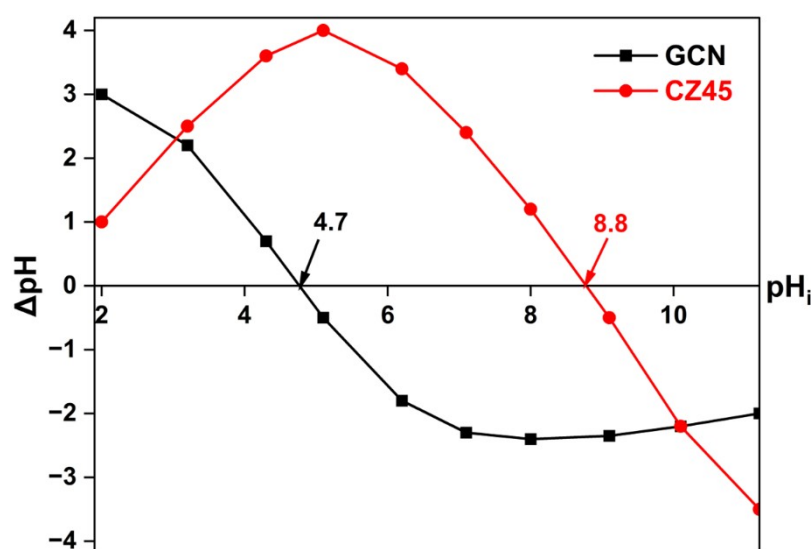


Figure S1. The isoelectric point of GCN and CZ45 samples determined by the drifting method

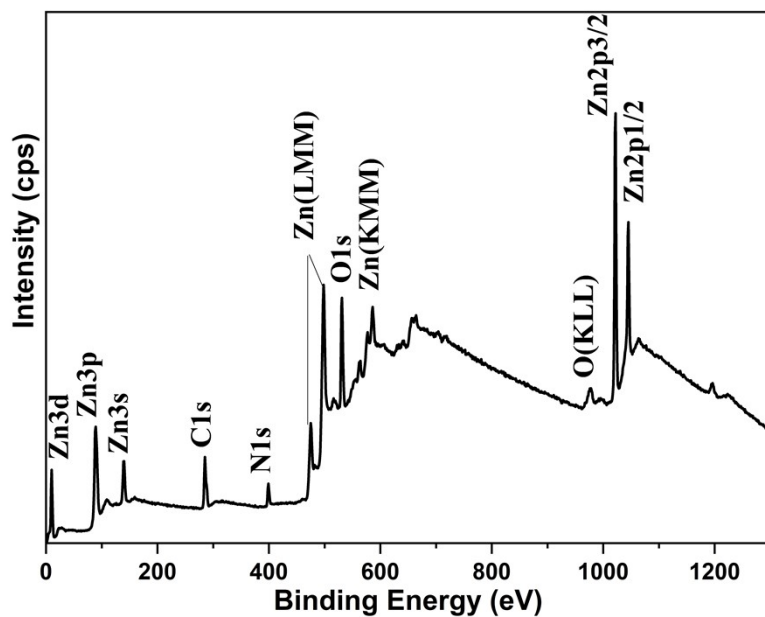


Figure S2. The XPS scan of the CZCN11 sample

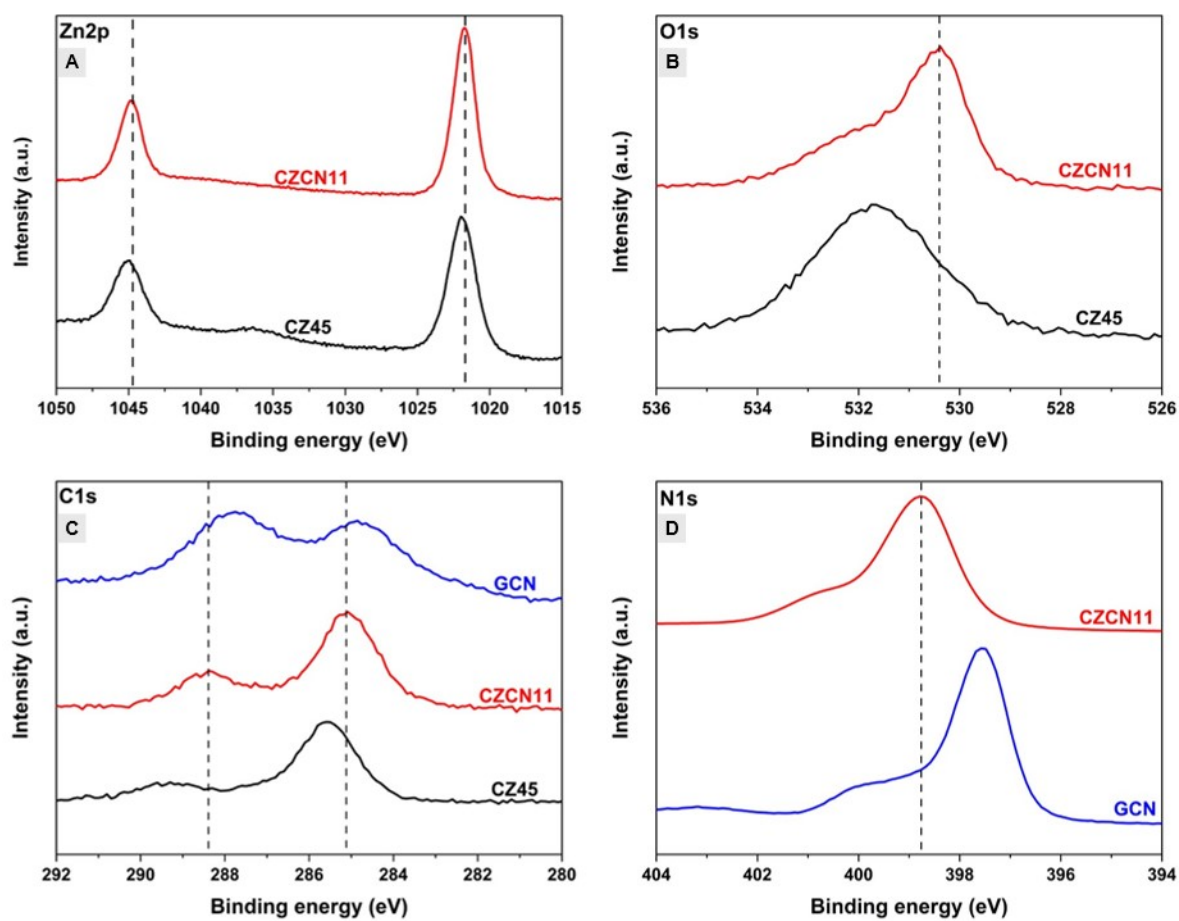


Figure S3. High-resolution XPS spectra of included (A) Zn 2p, (B) O 1s, (C) C 1s, and (D) N 1s in CZ45, GCN, and CZCN materials.

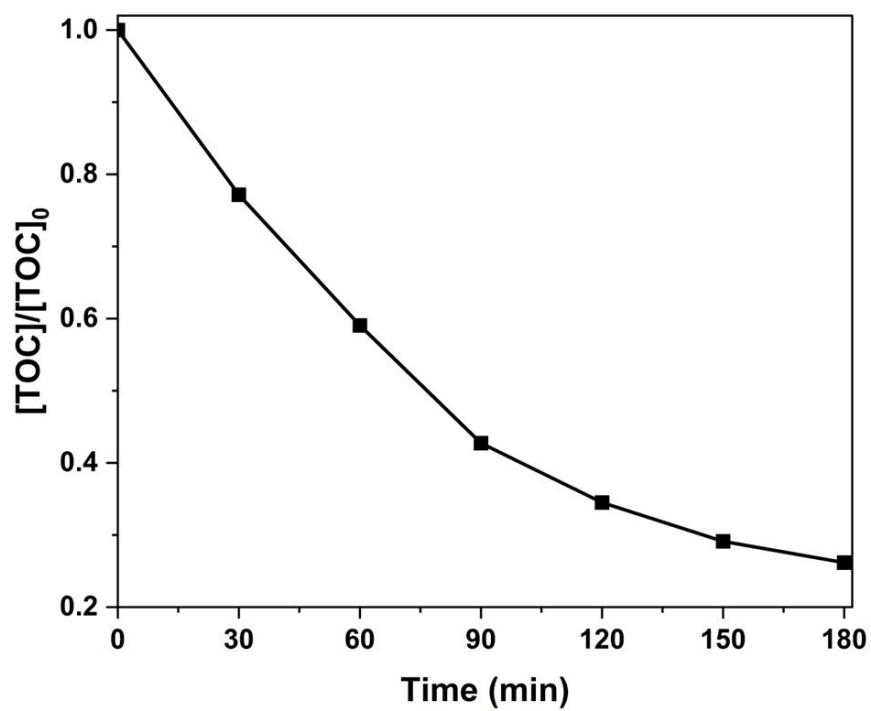


Figure S4. TOC removal during OFL photodegradation using CZCN11 catalyst ($[\text{OFL}] = 20$ ppm, $[\text{CZCN11}] = 1.0$ g/L, pH 7.0)