

Supplementary Information

Photodegradation behavior of agricultural antibiotic oxytetracycline in water

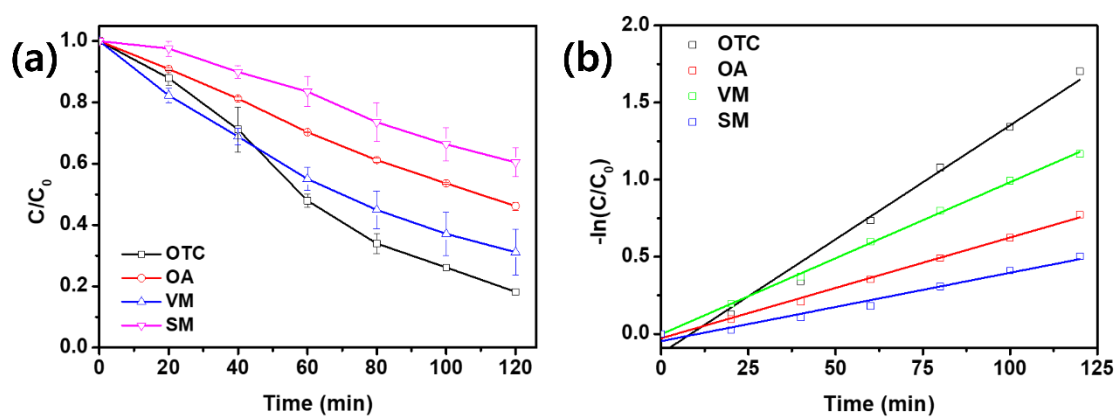


Figure S1. (a) Comparison of the degradation efficiencies of four agricultural antibiotics and (b) pseudo-first-order kinetic plots for the four agricultural antibiotics.

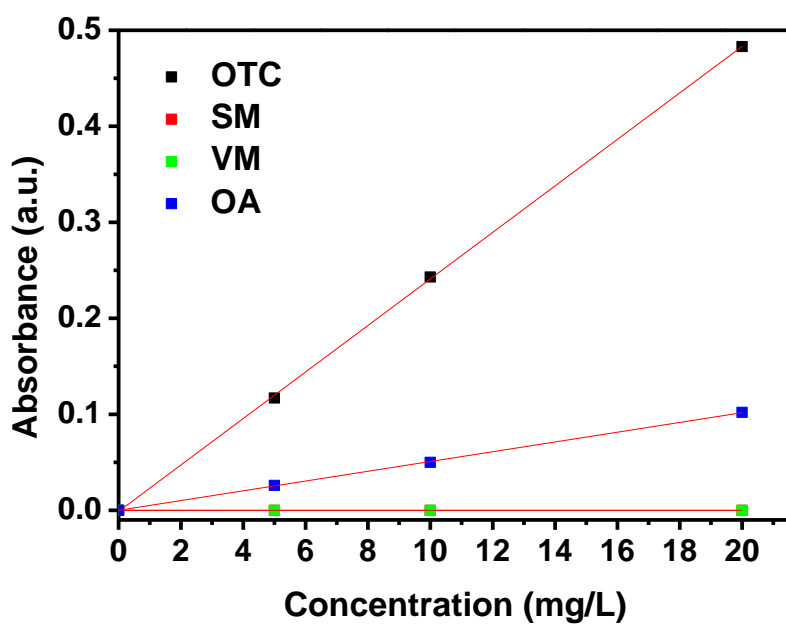


Figure S2. Measured absorbances of the antibiotics at different concentrations for determination of their extinction coefficients.

Table S1 Characteristics of actual agricultural water.

Parameters								
	pH	COD (mg/L)	DO (mg/L)	OTC concent ration (mg/L)	Electric al conduct ivity ($\mu\text{S}/\text{cm}$)	T-N (mg/L)	T-P (mg/L)	Cl ⁻ (mg/L)
Agricul tural water	8.6 ± 0.2	31.5 ± 2.5	7.6 ± 0.0	N.D	319 ± 10	N.D	N.D	7.8 ± 1.4

Table S2. Determined molar extinction coefficients of the four agricultural antibiotics.

Antibiotic	Molar extinction coefficient ($\text{M}^{-1} \text{cm}^{-1}$)
OTC	11,141
SM	0
VM	0
OA	1,328