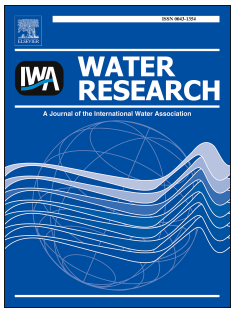
Accepted Manuscript



Evaluating tetracycline degradation pathway and intermediate toxicity during the electrochemical oxidation over a Ti/Ti_4O_7 anode

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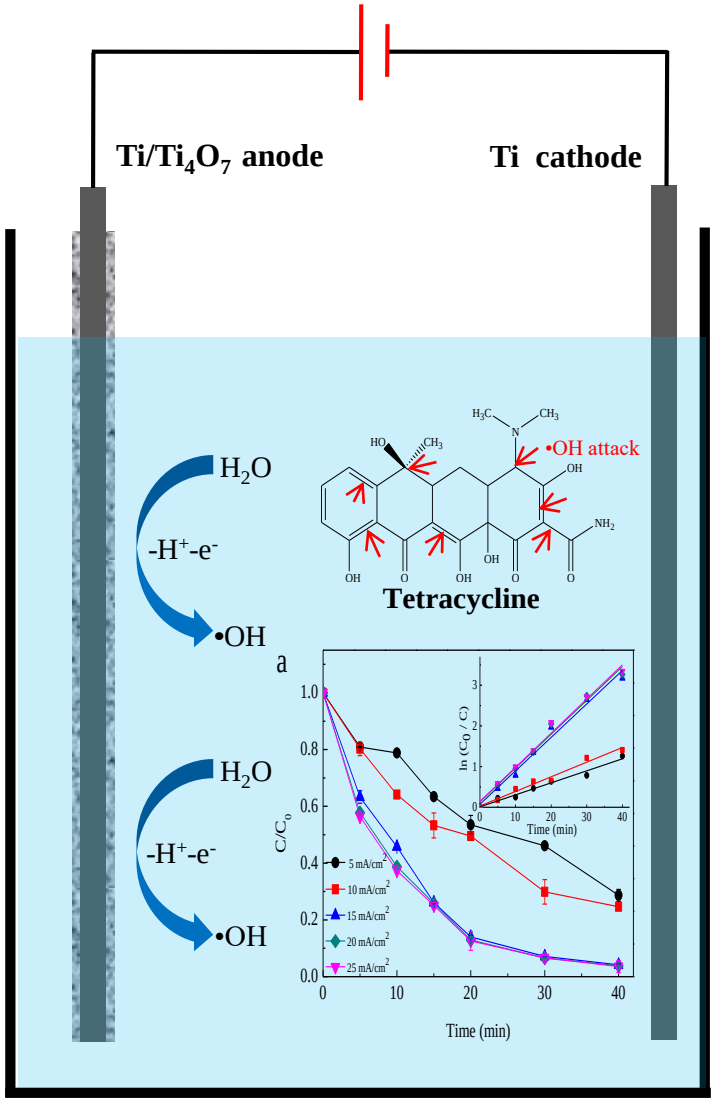
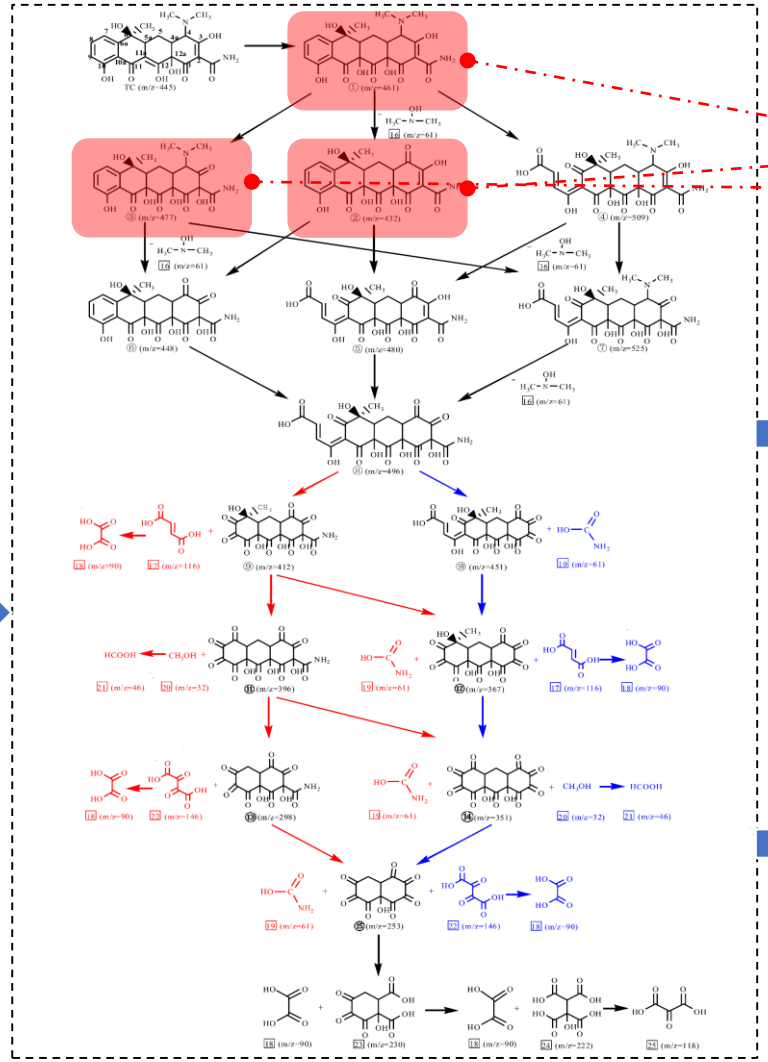


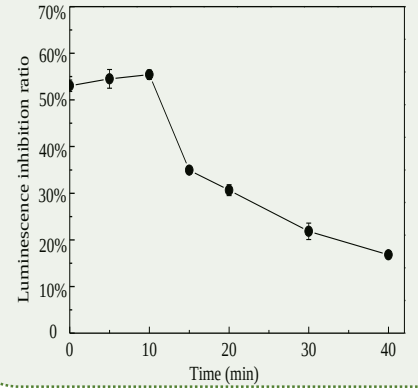
15 intermediates by HPLC-MS
10 intermediates by GC-MS

TC complete degradation pathway

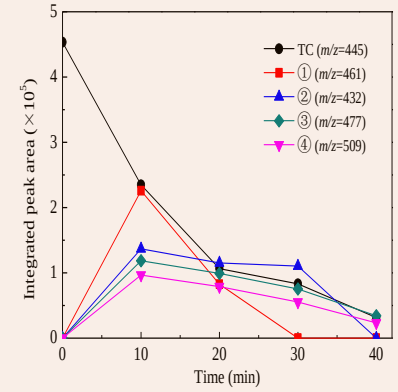


m/z	Acute toxicity (mg/L)			Chronic toxicity (mg/L)		
	Fish (LC_{50})	Daphnid (LC_{50})	Algae (EC_{50})	Fish	Daphnid	Algae
461	98.4	5.1	1.5	6.0	1.6	0.4
432	91.2	1.9×10^{2}	1.3	4.7	1.3	0.3
477	13.2	2.0	2.8	0.2	0.4	1.1

QSAR



Toxicity test



Intermediates dynamics