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Evaluating tetracycline degradation pathway and intermediate toxicity during the electrochemical oxidation over a Ti/Ti₄O₇ anode

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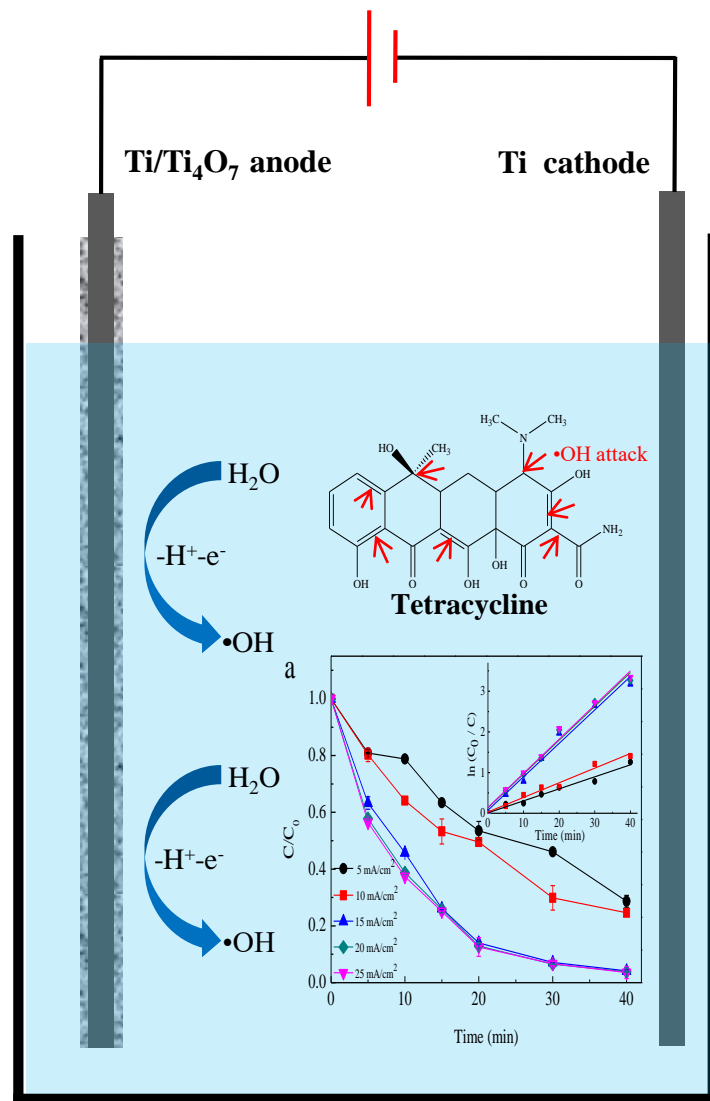
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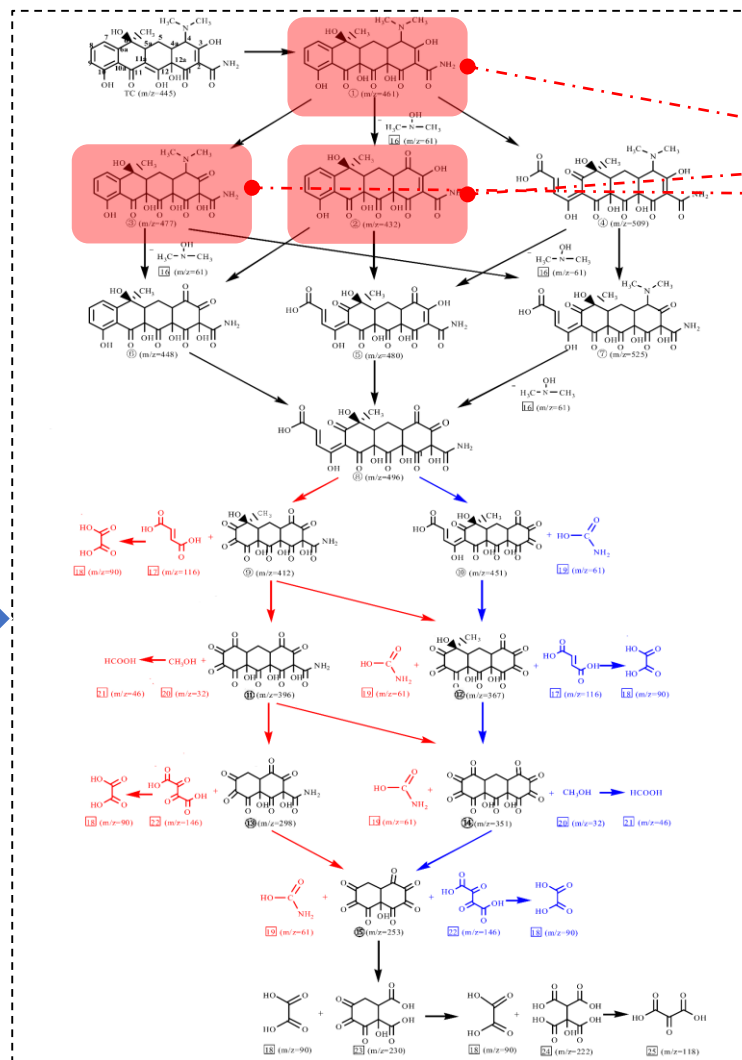
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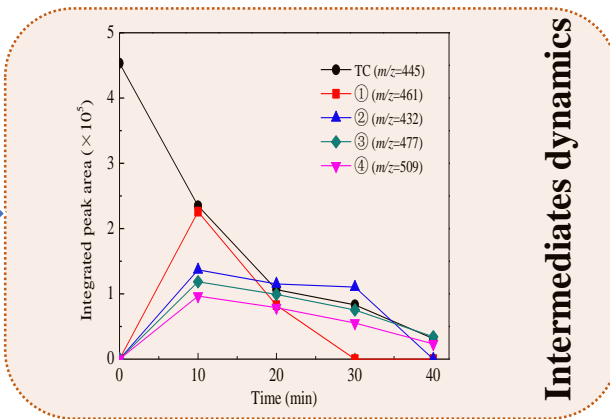
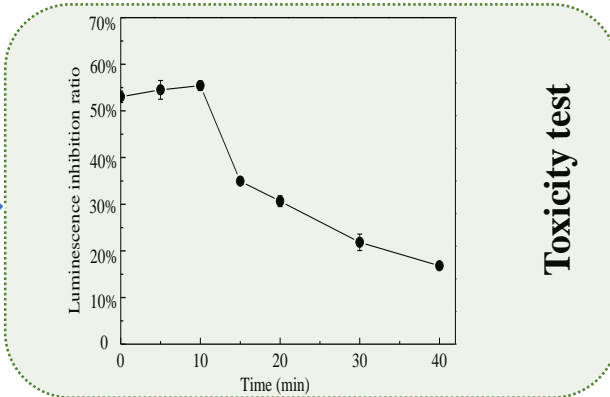


15 intermediates by HPLC-MS
10 intermediates by GC-MS

TC complete degradation pathway



<i>m/z</i>	Acute toxicity (mg/L)			Chronic toxicity (mg/L)			QSAR
	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	



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