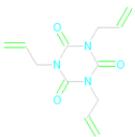
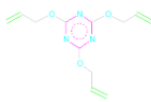

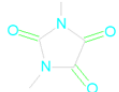
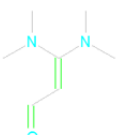


Appendix A. Supplementary data

Table S1 EE/O values of solo O₃ and O₃/UV processes

reaction time (min)	O ₃		O ₃ /UV	
	TAIC (mg/L)	EE/O kWh/m ³	TAIC (mg/L)	EE/O kWh/m ³
2.5	18.35	2.25	26.75	2.89
5	0.055	1.02	0.23	1.26

Table S2 The probability of primary pollutant and intermediates

Molecular Structure	Products Name	Probability
	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tri-2-propenyl	98%
	2,4,6-Triallyloxy-1,3,5-triazine	28%
	1-Butyl-3-methyl-2,4,5-trioxoimidazolidine	38%
	1,3-Dimethyl-2,4,5-trioxoimidazolidine	90%
	2-Propenal, 3,3-bis(dimethylamino)	40%

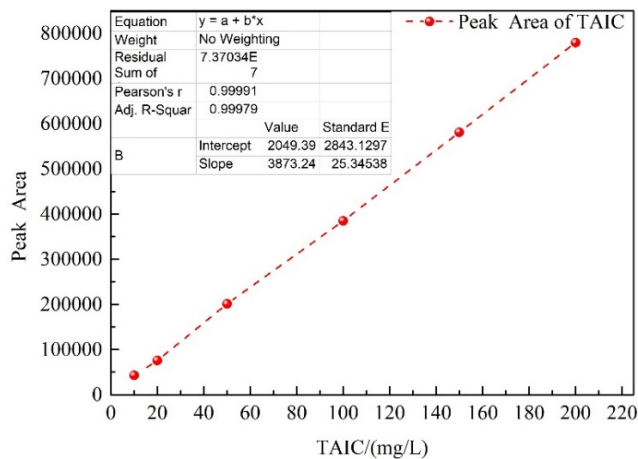


Fig. S1 Calibration curve of TAIC concentration.

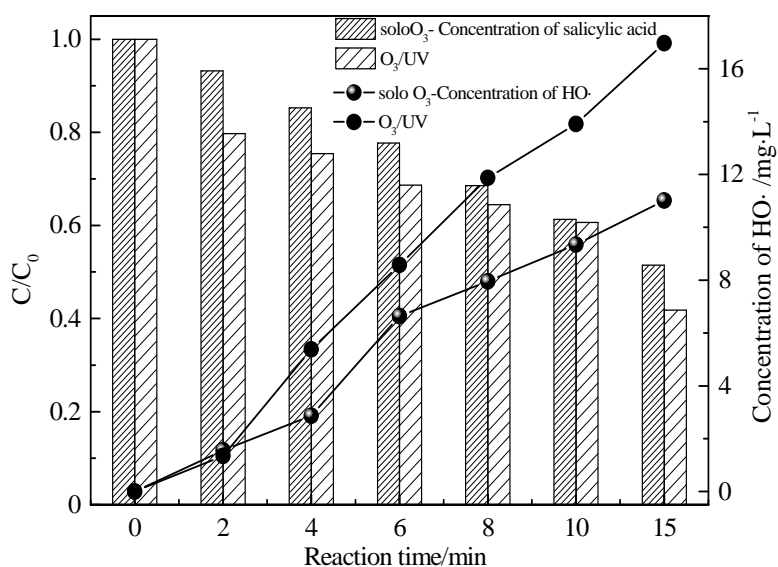


Fig. S2 Concentrations of hydroxyl radicals by solo O₃ process and O₃/UV process

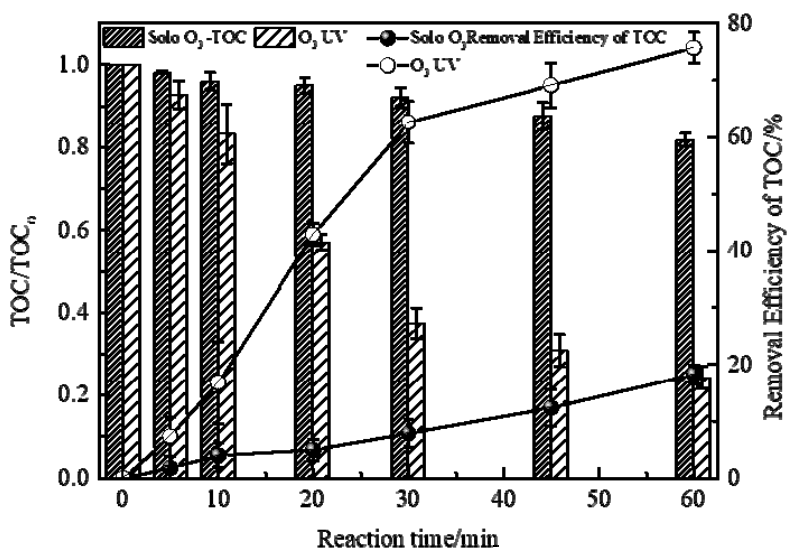


Fig. S3 Comparison of mineralization of TAIC by sole O₃ process and O₃/UV process