

Electronic Supplementary Information

Degradation of Ibuprofen Using Ozone Combined with Peroxymonosulfate

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Caption of Supplementary Figures

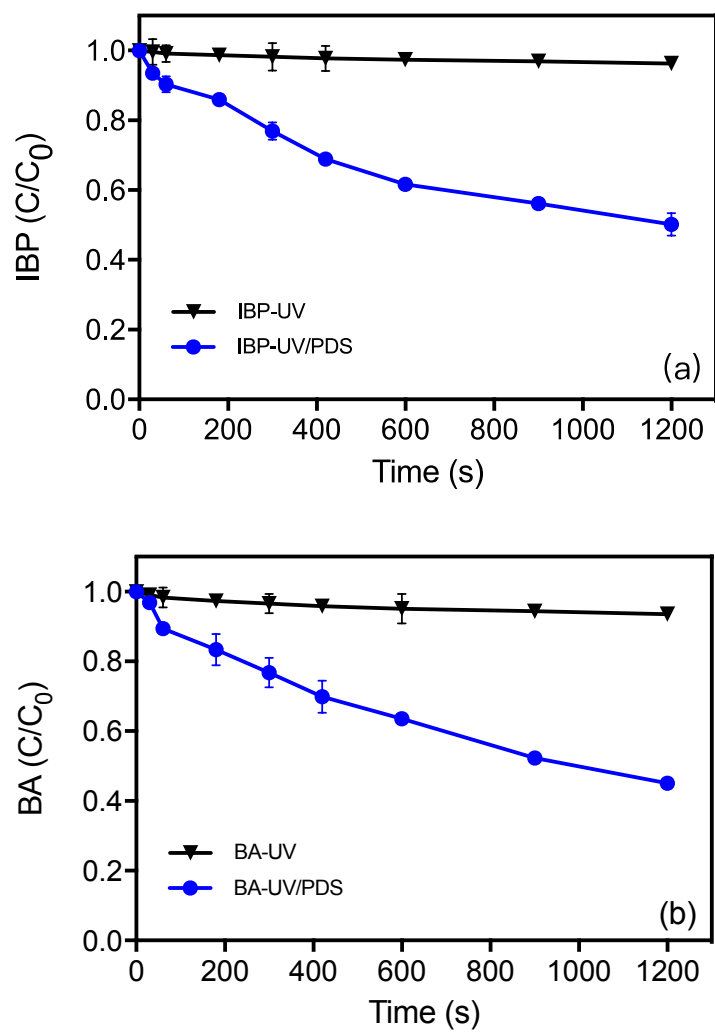
Figure S1. Degradation of IBP (A) and BA (B) by UV and UV/PDS and IBP vs BA (C).

Figure S2. Speciation of PMS under different pH.

Figure S3. Degradation of IBP in authentic water matrix (a), fitting of kinetic model (b).

Figure S4. Ozone consumption in the authentic water.

Figure S1. Degradation of IBP (A) and BA (B) by UV and UV/PDS and IBP vs BA (C). (Experimental conditions: $[IBP]_0=5 \mu\text{M}$ or 1.0 mg/L , $[PDS]_0=1.0 \text{ mM}$ or 270.3 mg/L , UV irradiation intensity: $30 \mu\text{W/cm}^2$)



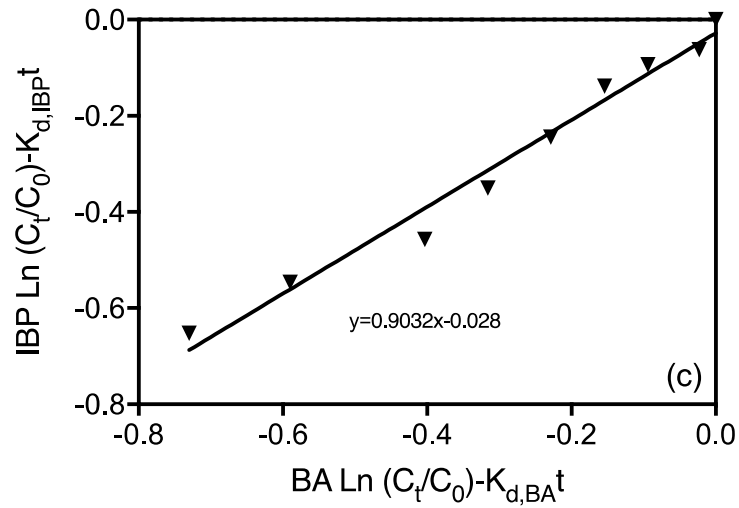


Figure S2. Speciation of PMS under different pH.

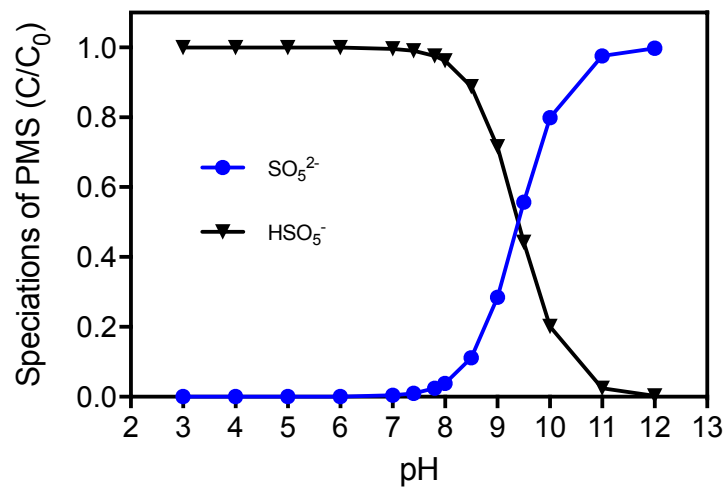


Figure S3. Degradation of IBP in authentic water matrix (a), fitting of kinetic model (b).

(Experimental conditions: $[IBP]_0 = 5 \mu\text{M}$ or 1.0 mg/L , $[O_3]_0 = 31.3 \mu\text{M}$ or 1.5 mg/L , $[PMS]_0 = 6.5 \mu\text{M}$ or

2.0 mg/L)

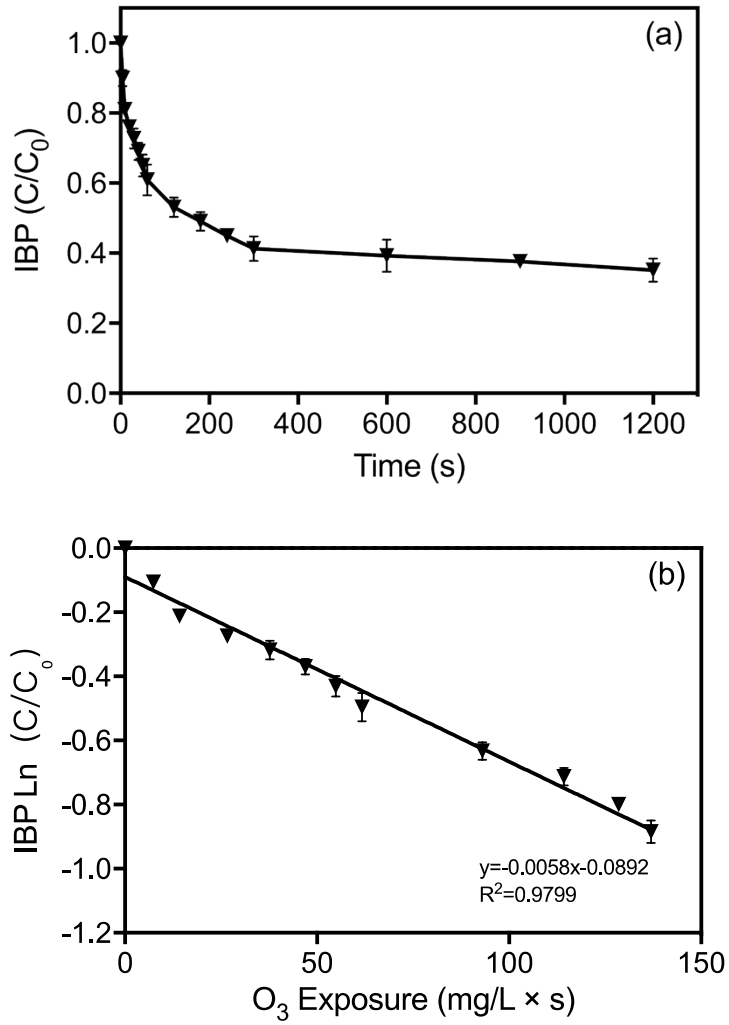


Figure S4. Ozone consumption in the authentic water. (Experimental conditions: $[IBP]_0 = 5 \mu M$ or $1.0 mg/L$, $[O_3]_0 = 31.3 \mu M$ or $1.5 mg/L$, $[PMS]_0 = 6.5 \mu M$ or $2.0 mg/L$).

