Table S1. Effect of H2O2 dose on the degradation of NIF *via* UV/H2O2. Reaction conditions: NIF concentration = 5 mg/L, H2O2 dosage = 0-1.04 mmol/L, pH = 7, T = 20 ℃ and reaction time = 5 min.

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| H2O2 dosages  mmol/L-1 | k’app  min-1 | Removal Rate  % | t1/2a  min | R2 |
| 0 | 0.2560 | 72.81 | 2.8 | 0.99256 |
| 0.13 | 0.6752 | 95.97 | 1.5 | 0.98754 |
| 0.26 | 1.03947 | 99.31 | 1.0 | 0.98109 |
| 0.52 | 1.45569 | 99.94 | 0.4 | 0.99178 |
| 1.04 | 1.59404 | 99.95 | 0.6 | 0.98249 |
| a: t1/2 was half-life period (the reaction time with removal rate of NIF = 50%) | | | | |