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Supporting Information

Surface deep oxidation of ofloxacin and 2,4-dichlorophenol over

ferrocene@sepiolite due to their synergic and cooperative effect in visible light

driven heterogeneous Fenton reaction process

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Summary:

Supporting information contains 3 pages, including 2 Figures and 2 Tables.

	Carbon (%)	Hydrogen (%)	C/H ratio
Sep	0.17	0.74	0.23
FeCp@Sep	3.97	1.13	3.51

 Table S1. Elemental analysis results for Sep and FeCp@Sep.



Fig. S1. Changes of UV-vis spectra of 2,4-DCP and relevant photos of catalysts in solution during different visible light driven heterogeneous Fenton systems: (A) FeCp, and (B) FeCp@Sep.



Fig. S2. Effects of (A) catalyst amount and (B) H_2O_2 dosage on the OFX removal efficiency in FeCp@Sep-H₂O₂-Vis system.

Mass (m/z)	Formula weight	Formula	Proposed structure
366.1093	365	C ₁₆ H ₁₆ FN ₃ O ₆	
364.1296	363	C ₁₇ H ₁₈ FN ₃ O ₅	
348.1353	347	C ₁₇ H ₁₈ FN ₃ O ₄	
322.1196	321	C ₁₅ H ₁₆ FN ₃ O ₄	
305.0942	304	C ₁₅ H ₁₃ FN ₂ O ₄	
304.1447	303	C ₁₆ H ₁₈ FN ₃ O ₂	
274.0994	273	C ₁₄ H ₁₂ FN ₃ O ₂	
219.0568	218	$C_{11}H_7FN_2O_2$	H ₂ N N

Table S2. Main products of OFX degradation in $FeCp@Sep-H_2O_2$ -Vis system by

HPLC-MS.