Supporting Information for

Mineralization of ammunition wastewater by the micron-size Fe^0/O_3 process (mFe^0/O_3)

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Summary:

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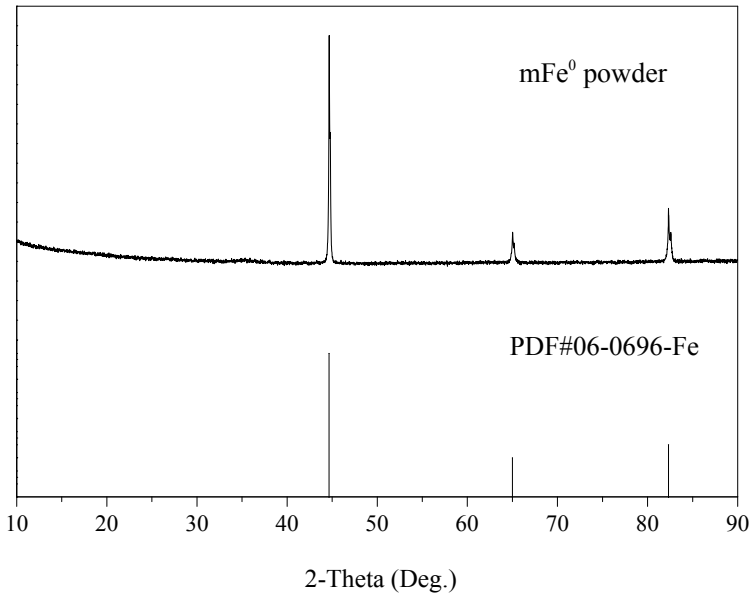
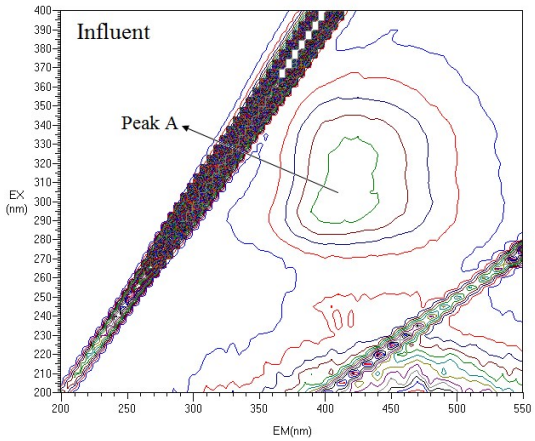
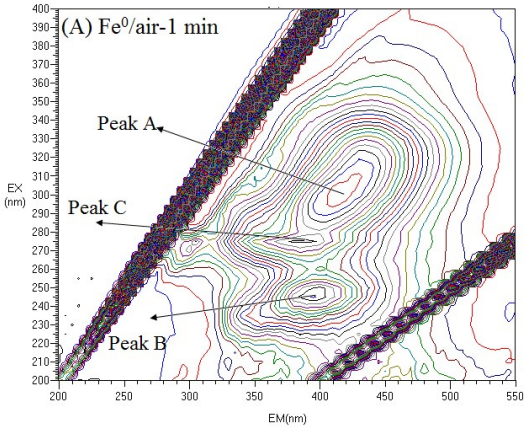
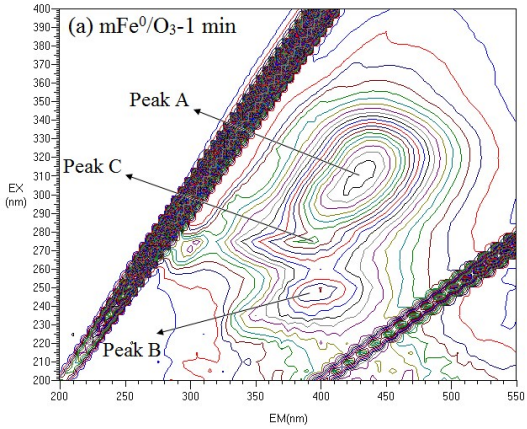
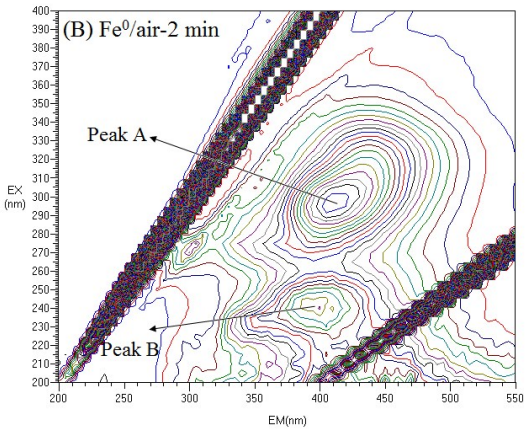


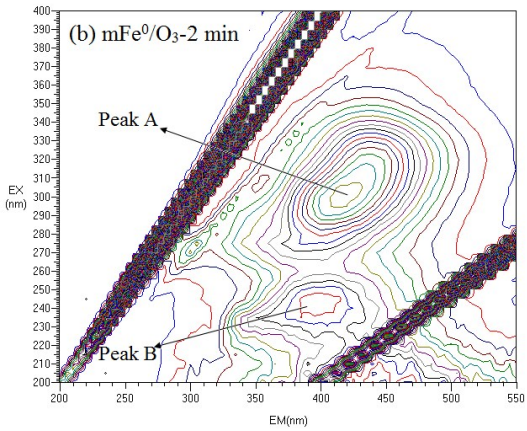
Fig. S1. XRD patterns of the mFe^0 powder.

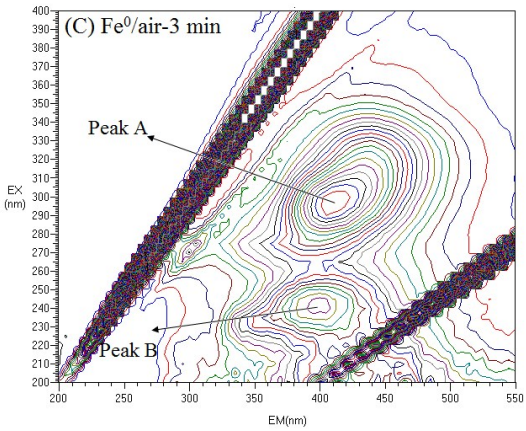

Influent
Peak A
EX (nm)
EM(nm)

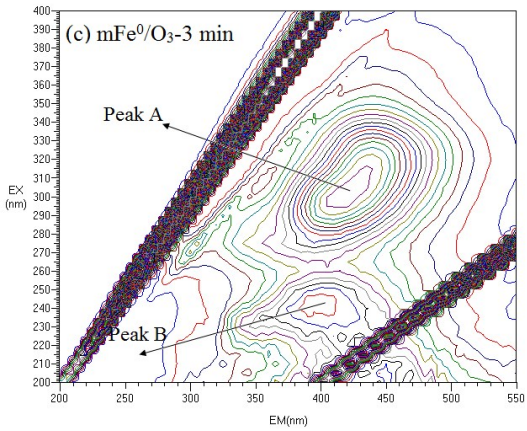

(A) Fe⁰/air-1 min
Peak A
Peak C
Peak B
EX (nm)
EM(nm)

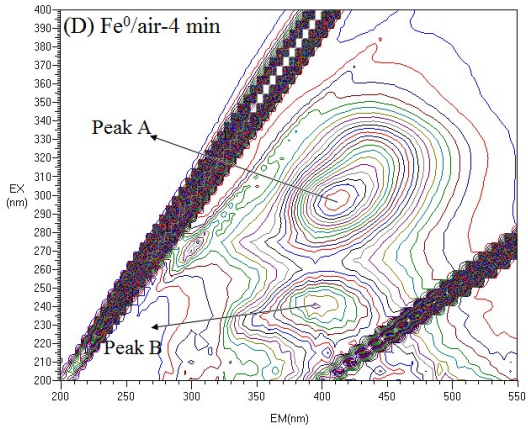

(a) mFe⁰/O₃-1 min
Peak A
Peak C
Peak B
EX (nm)
EM(nm)

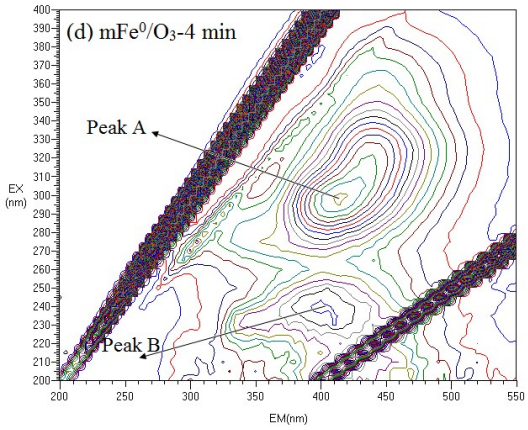

(B) Fe⁰/air-2 min
Peak A
Peak B
EX (nm)
EM(nm)

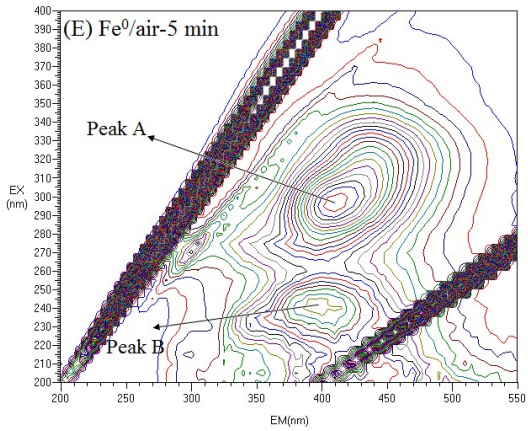

(b) mFe⁰/O₃-2 min
Peak A
Peak B
EX (nm)
EM(nm)

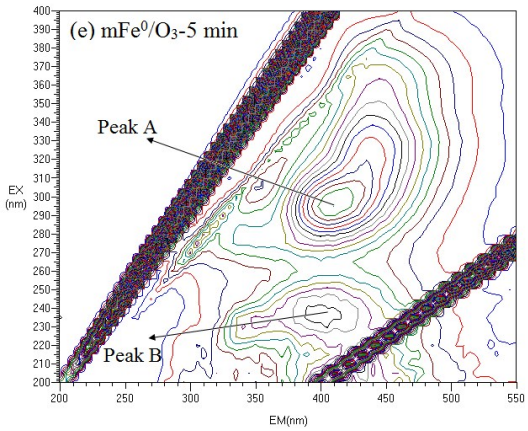

(C) Fe⁰/air-3 min
Peak A
Peak B
EX (nm)
EM(nm)

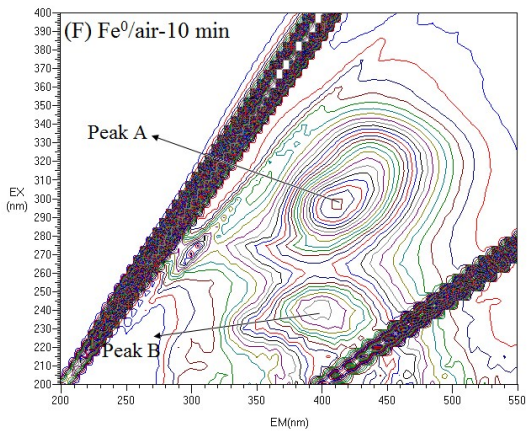

(c) mFe⁰/O₃-3 min
Peak A
Peak B
EX (nm)
EM(nm)

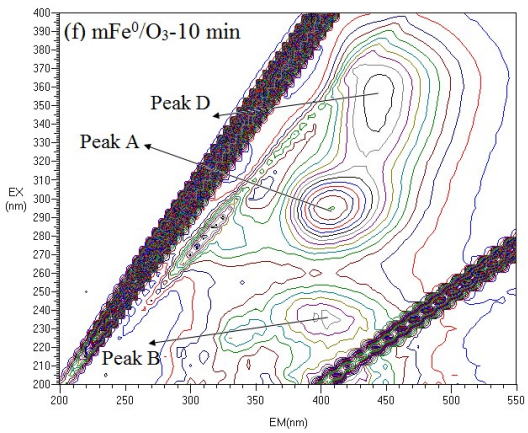

(D) Fe⁰/air-4 min
Peak A
Peak B
EX (nm)
EM(nm)

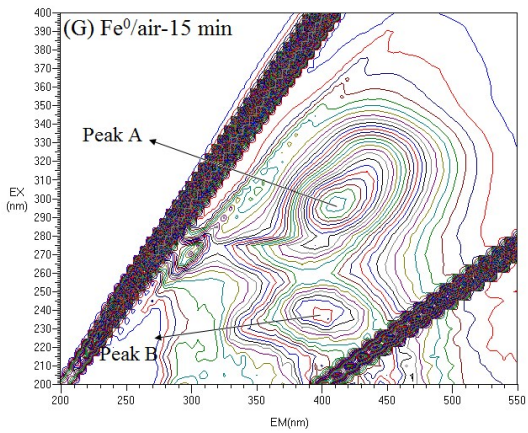

(d) mFe⁰/O₃-4 min
Peak A
Peak B
EX (nm)
EM(nm)

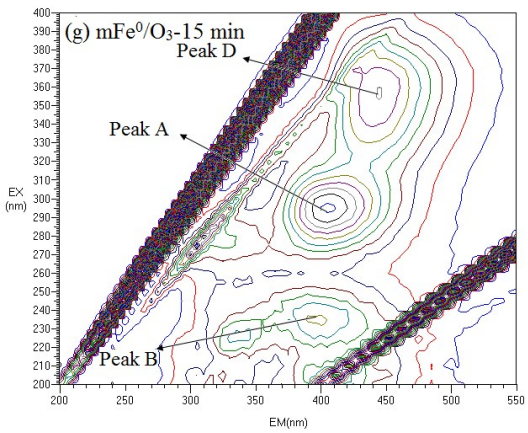

(E) Fe⁰/air-5 min
Peak A
Peak B
EX (nm)
EM(nm)


(e) mFe⁰/O₃-5 min
Peak A
Peak B
EX (nm)
EM(nm)


(F) Fe⁰/air-10 min
Peak A
Peak B
EX (nm)
EM(nm)


(f) mFe⁰/O₃-10 min
Peak D
Peak A
Peak B
EX (nm)
EM(nm)


(G) Fe⁰/air-15 min
Peak A
Peak B
EX (nm)
EM(nm)


(g) mFe⁰/O₃-15 min
Peak D
Peak A
Peak B
EX (nm)
EM(nm)

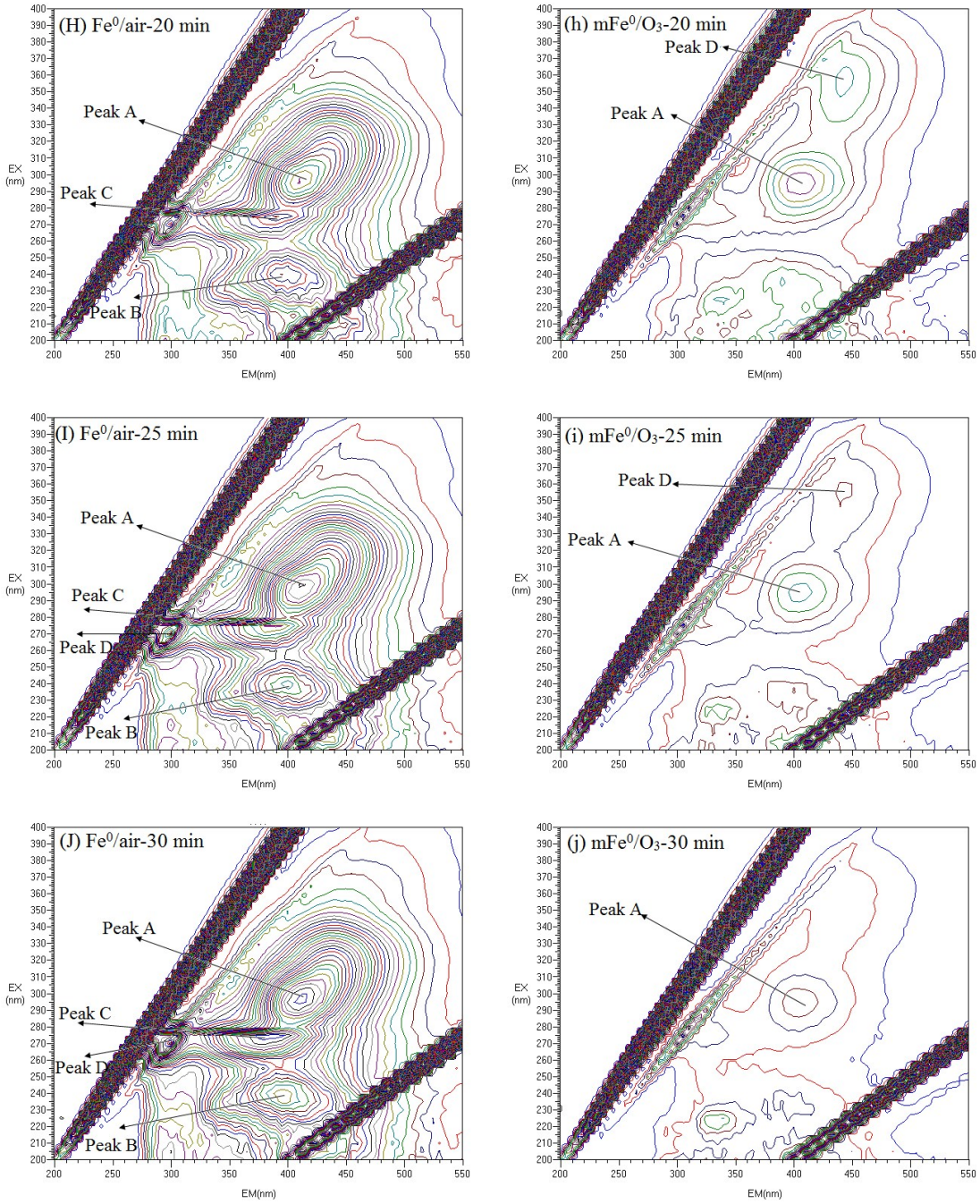


Fig. S2. Variation of EEM fluorescence spectra by different treatment process, (A-J) mFe^0/air, (a-j) mFe^0/O_3 (Influent and effluent were diluted 5 times, reaction time = 30 min).

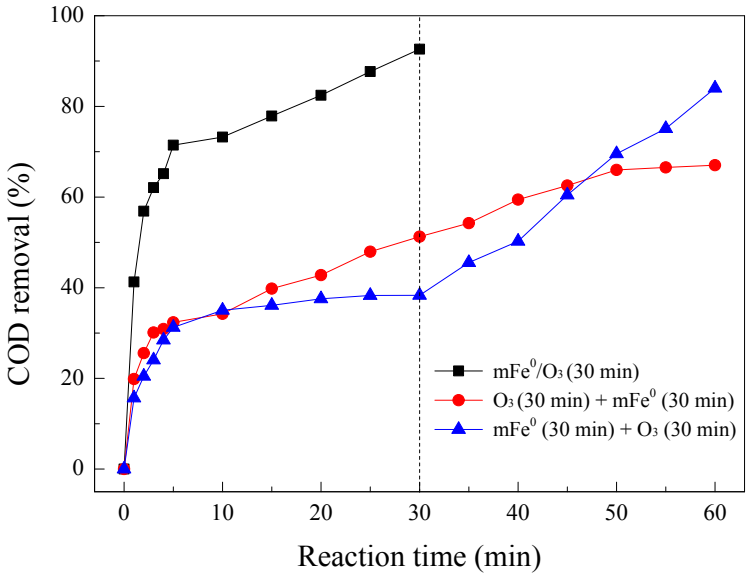


Fig. S3. COD removal efficiencies of different treatment processes.