Supplementary Materials

For

Efficient decolorization of the azo dye Orange II in a UV-Fe^{3+}-PMS-oxalate system

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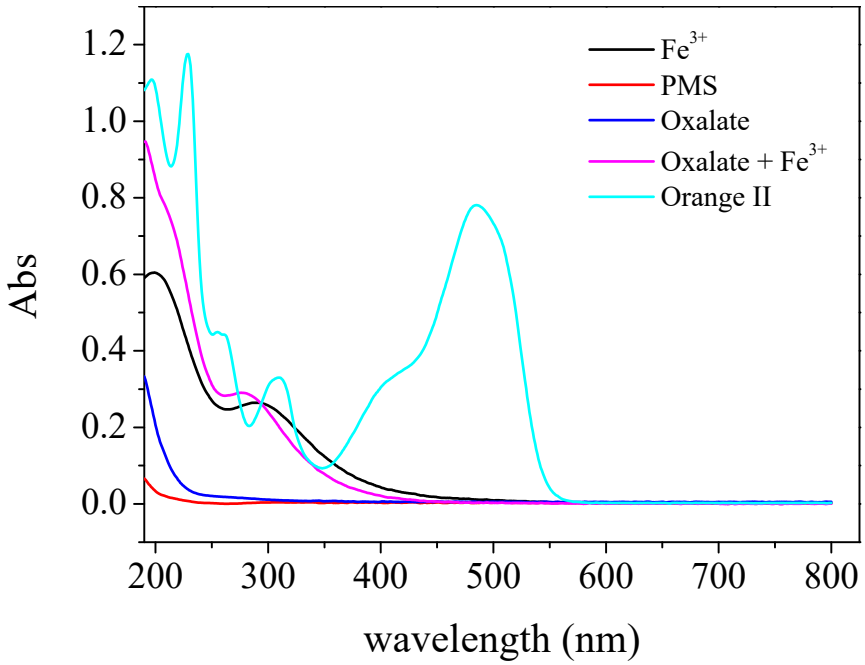
Fe3+
PMS
Oxalate
Oxalate + Fe3+
Orange II
Abs
wavelength (nm)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
200
300
400
500
600
700
800

Figure S1

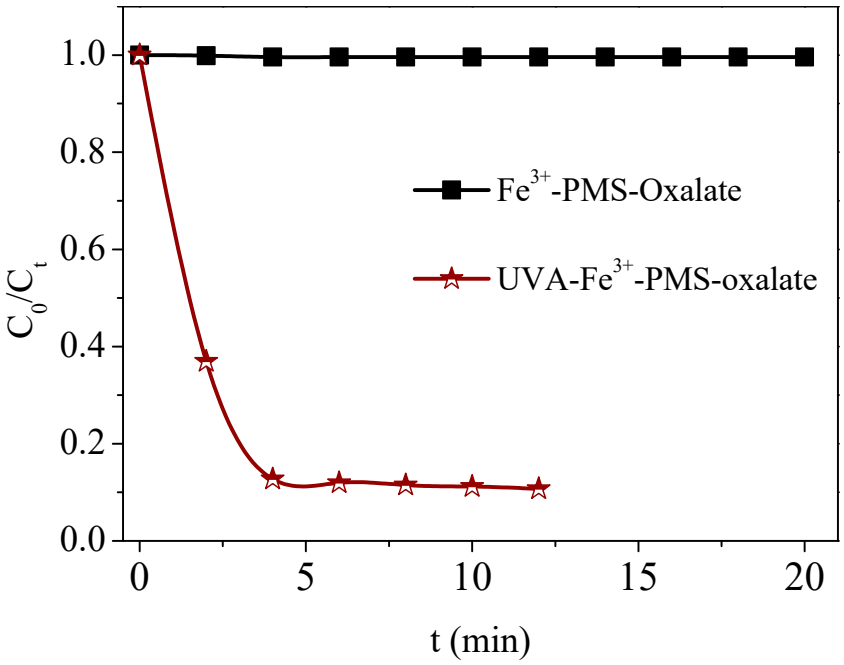
1.0
0.8
0.6
0.4
0.2
0.0
C_0/C_t
0
5
10
15
20
t (min)
Fe^{3+}-PMS-Oxalate
UVA-Fe^{3+}-PMS-oxalate

Figure S2

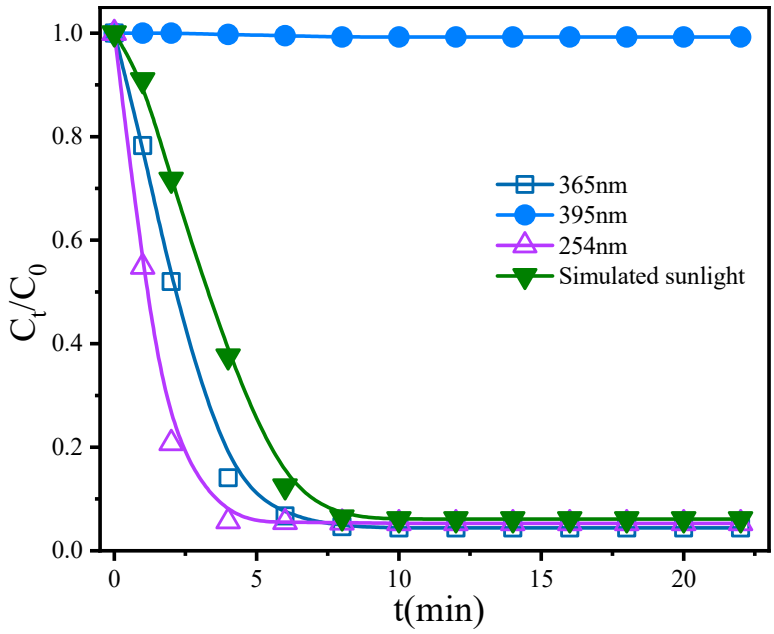
1.0
0.8
0.6
0.4
0.2
0.0
C_t/C_0
0
5
10
15
20
t(min)
365nm
395nm
254nm
Simulated sunlight

Figure S3

Table S1

Time (min)	**Production of Fe^{2+}** (μM)
0	0
1	1.01
4	4.34
6	22.56
8	35.02
10	42..42