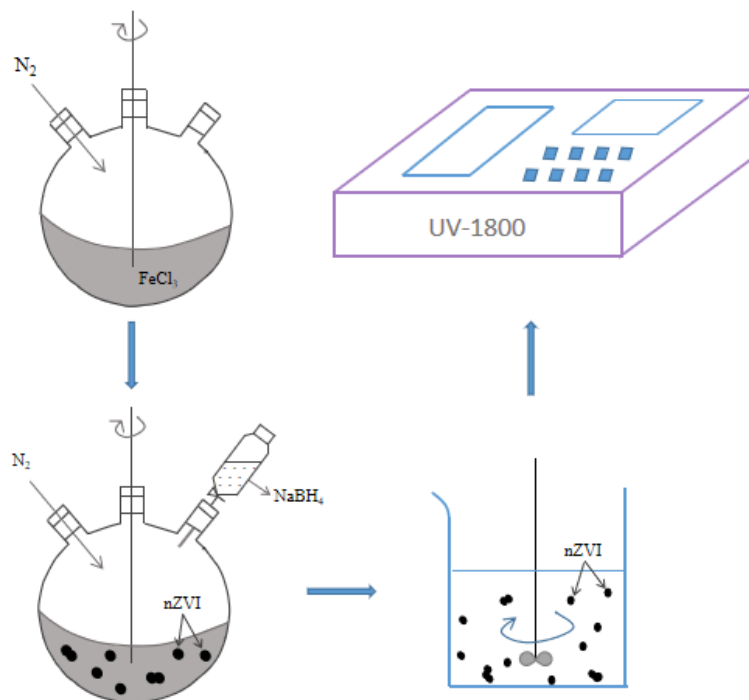
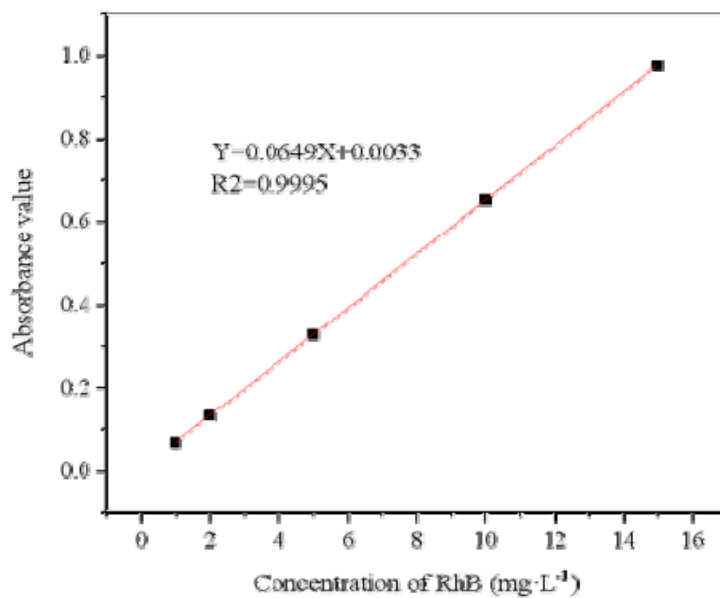




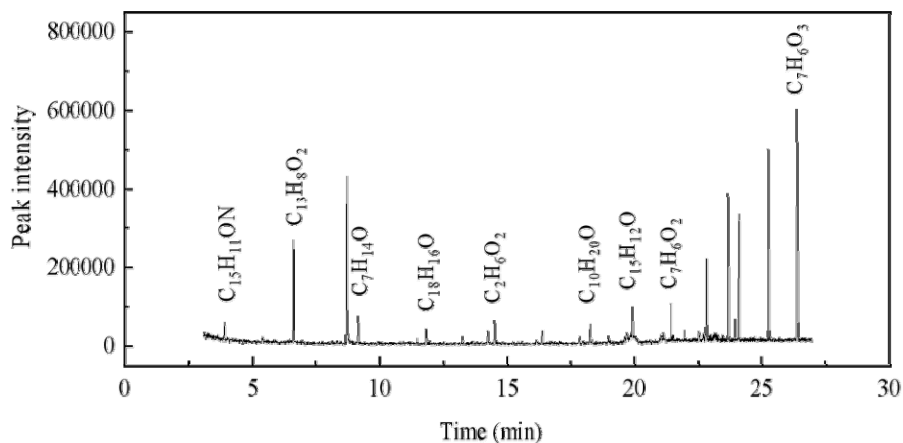
## Supplementary Materials



**Fig. S1.** Experimental flow chart of preparation of nZVI and degradation of RhB.



**Fig. S2.** Standard curve of RhB.



**Fig. S3.** GC-MS spectrum of RhB degradation intermediates.

**Table S1.** Degradation products determined by GC-MS.

Retention time (min)	Name of product
3.906	3- (2-aminophenyl) -1-phenyl-propargyone
6.602	1, 3-diphenyl-2-prop-1-ketone
8.723	3H-Xanthan Gum 9 (9aH)
9.173	2-isopropylbutyraldehyde
11.825	3-methyl-2-heptanone
14.509	ethanediol
18.268	5-decanone
19.933	Phenylene acetophenone
21.452	benzoic acid
26.4	salicylic acid