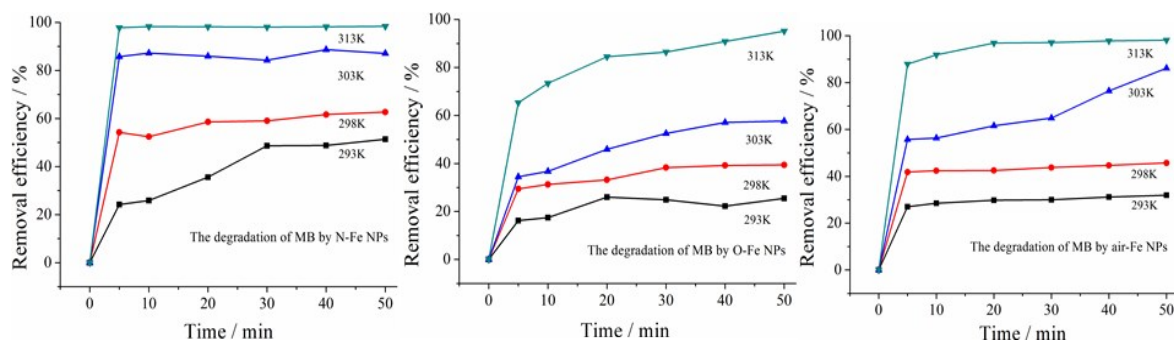
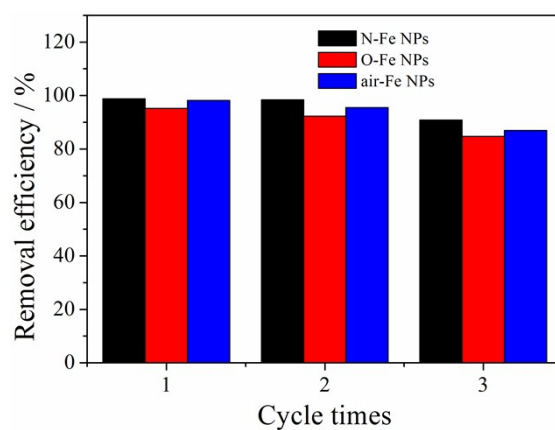


Fig. S1



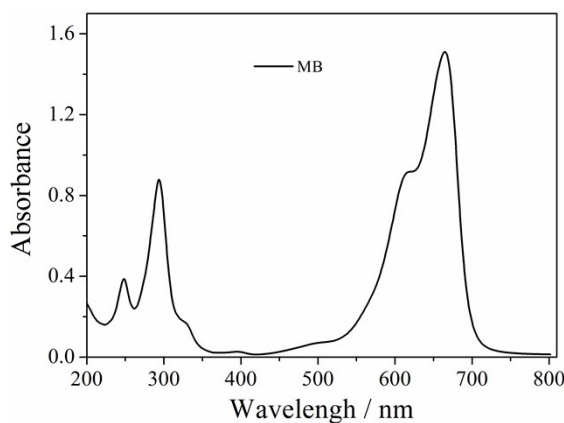
**Fig. S3** The removal efficiency of MB using N-Fe NPs, O-Fe NPs and air-Fe NPs, respectively.

Fig. S2



**Fig. S2** The recyclability of N-Fe NPs, O-Fe NPs and air-Fe NPs.

Fig. S3



**Fig. S3** The UV-vis of methylene blue

