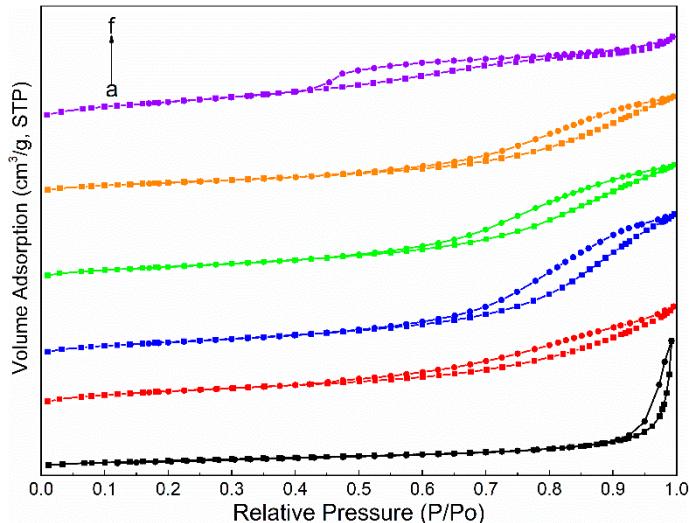
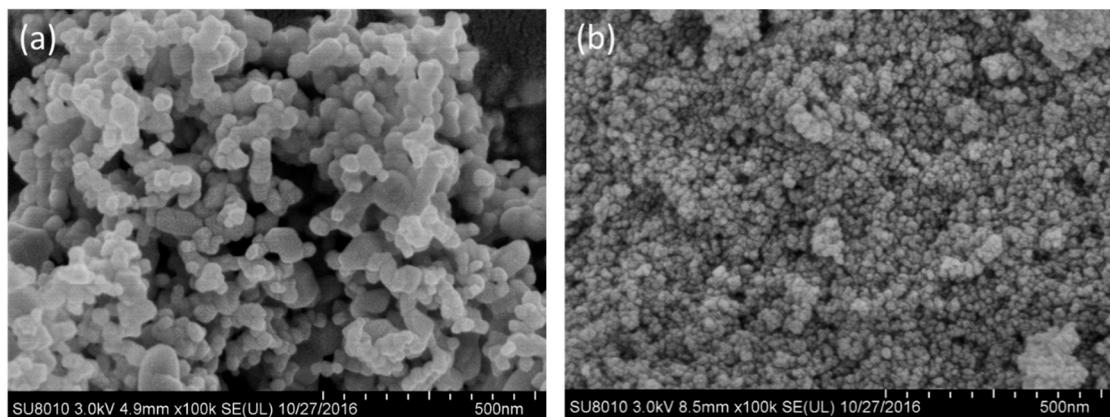
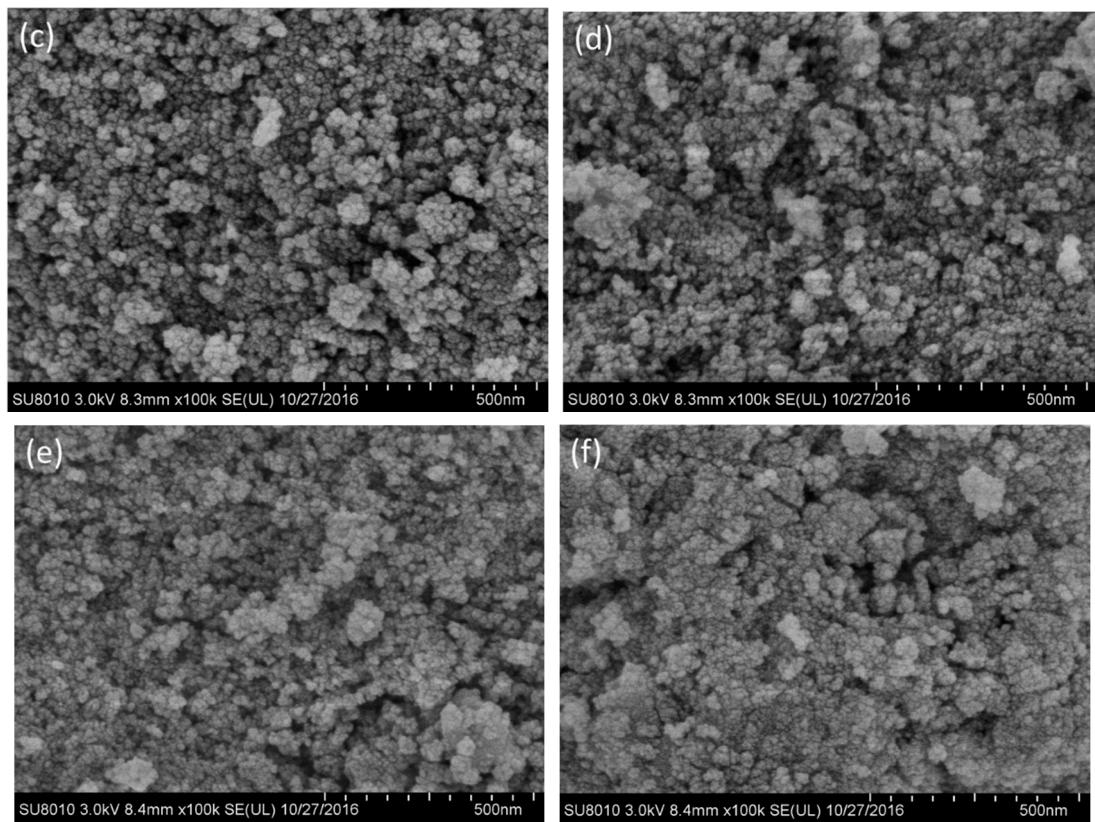


**Figure S1.** Removal efficiencies of  $\text{NO}_x$  in blank tests.

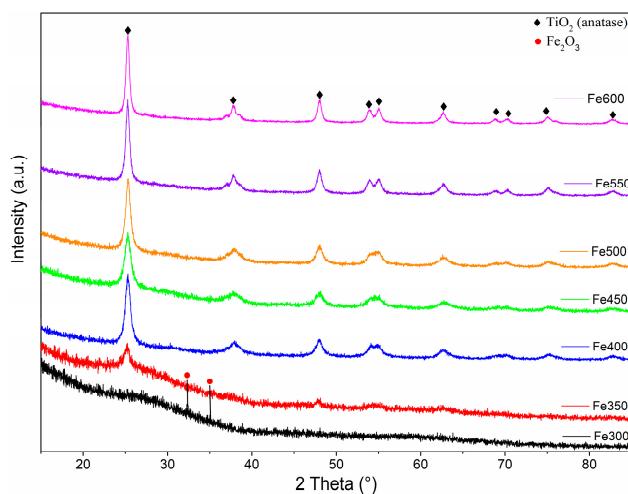


**Figure S2.**  $\text{N}_2$  adsorption/desorption isotherms of the samples. (a) P25, (b)  $\text{TiO}_2$ , (c) 0.5%Fe- $\text{TiO}_2$ , (d) 1%Fe- $\text{TiO}_2$ , (e) 2%Fe- $\text{TiO}_2$ , and (f) 3%Fe- $\text{TiO}_2$ .

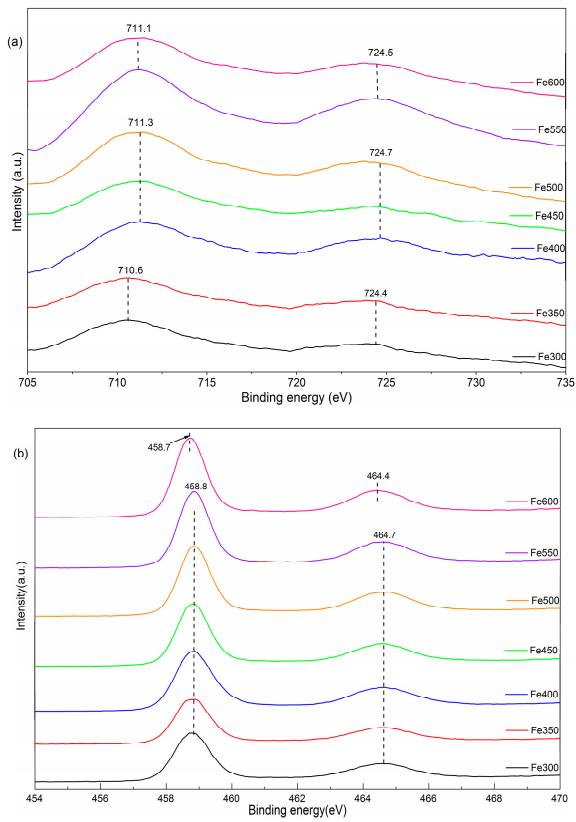




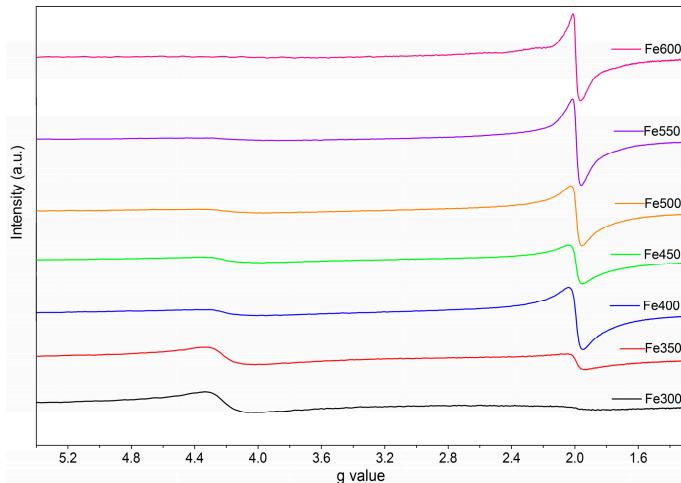
**Figure S3.** FE-SEM images of the catalyst samples. (a) P25, (b) TiO<sub>2</sub>, (c) 0.5Fe-TiO<sub>2</sub>, (d) 1Fe-TiO<sub>2</sub>, (e) 2Fe-TiO<sub>2</sub>, and (f) 3Fe-TiO<sub>2</sub>.



**Figure S4.** X-ray powder diffraction patterns of the samples calcined at different temperatures.



**Figure S5.** X-ray photoelectron spectra for the samples calcined at different temperatures.



**Figure S6.** EPR Spectra of the iron-loaded samples at different heating temperatures.