

Figure S1. Removal efficiencies of NO_x in blank tests.

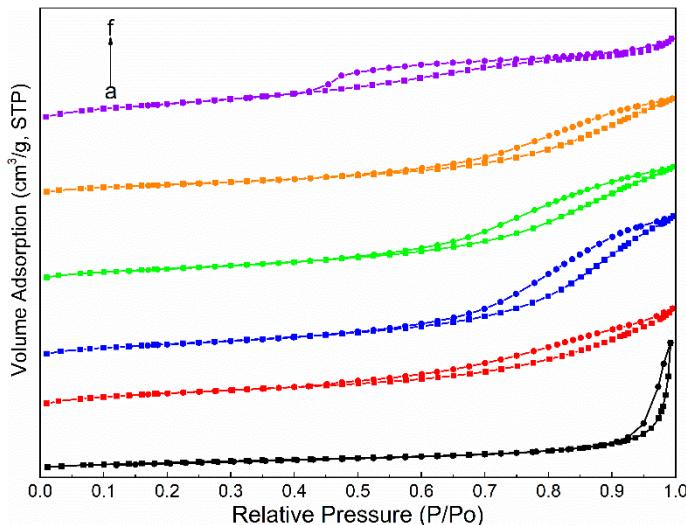
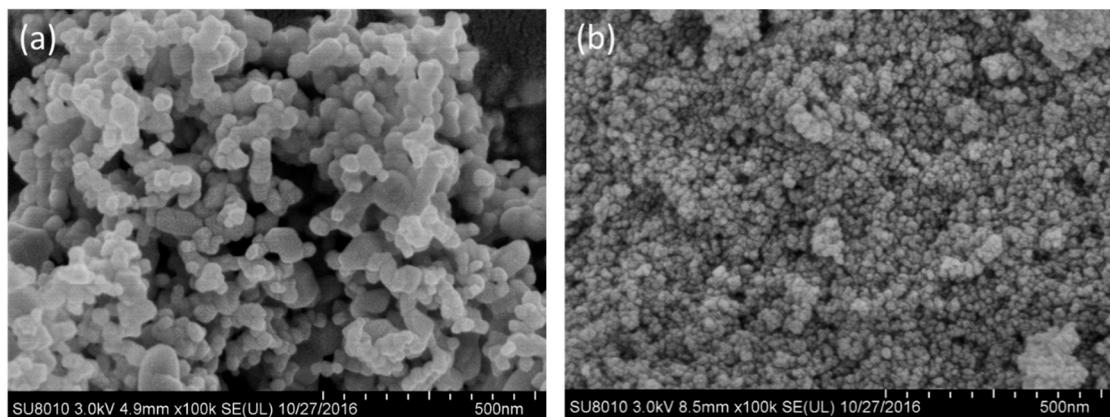


Figure S2. N_2 adsorption/desorption isotherms of the samples. (a) P25, (b) TiO_2 , (c) 0.5%Fe- TiO_2 , (d) 1%Fe- TiO_2 , (e) 2%Fe- TiO_2 , and (f) 3%Fe- TiO_2 .



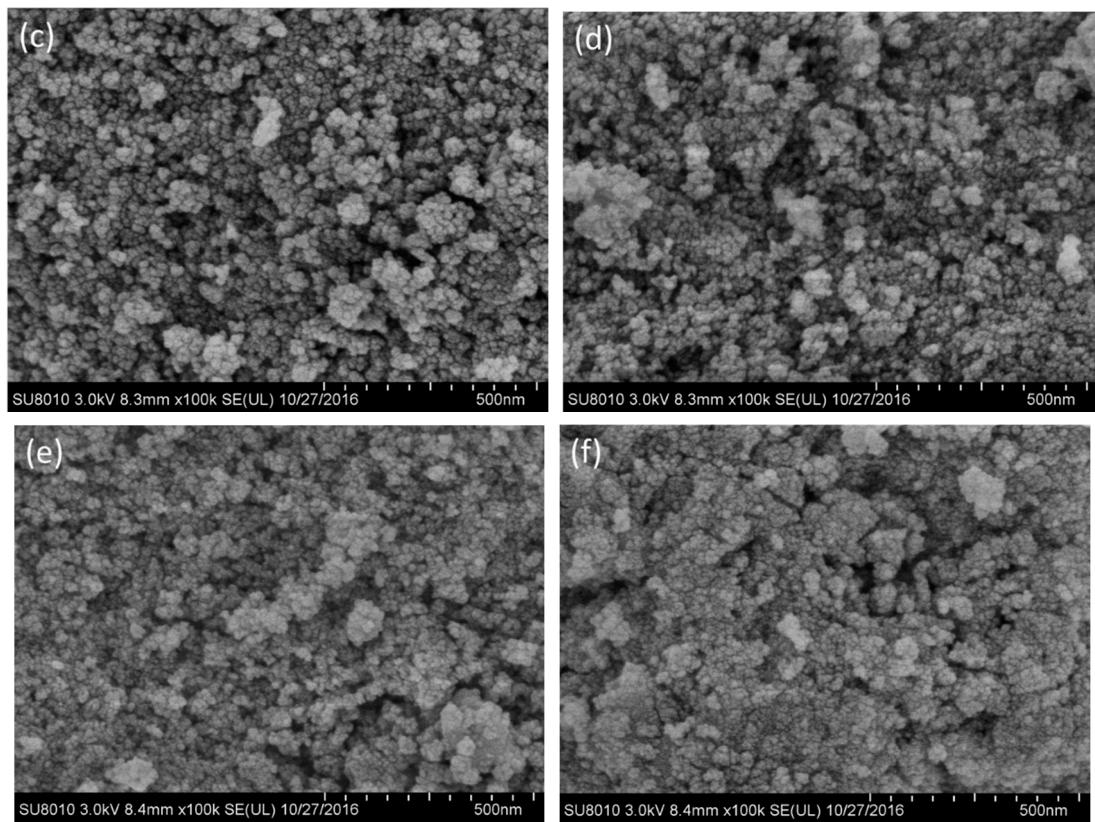


Figure S3. FE-SEM images of the catalyst samples. (a) P25, (b) TiO₂, (c) 0.5Fe-TiO₂, (d) 1Fe-TiO₂, (e) 2Fe-TiO₂, and (f) 3Fe-TiO₂.

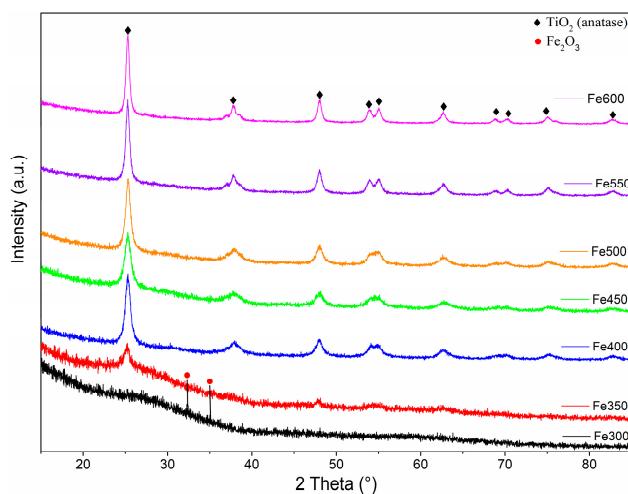


Figure S4. X-ray powder diffraction patterns of the samples calcined at different temperatures.

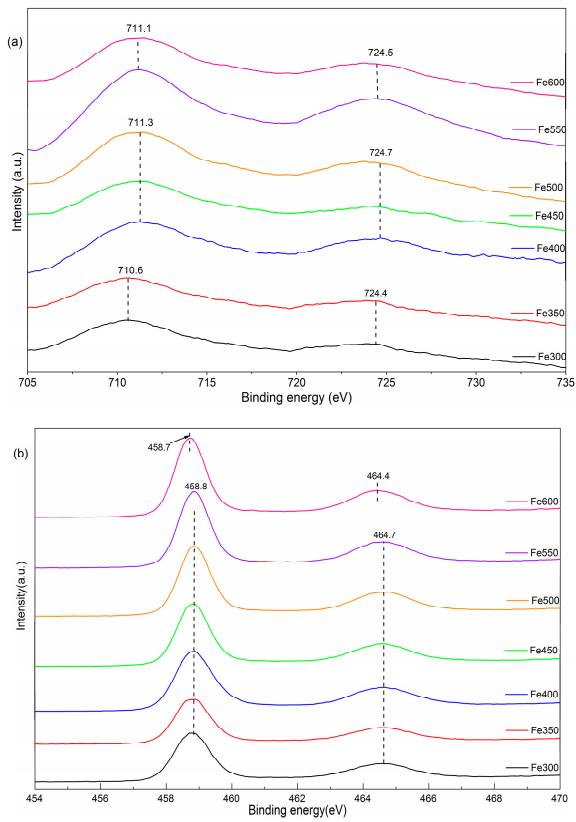


Figure S5. X-ray photoelectron spectra for the samples calcined at different temperatures.

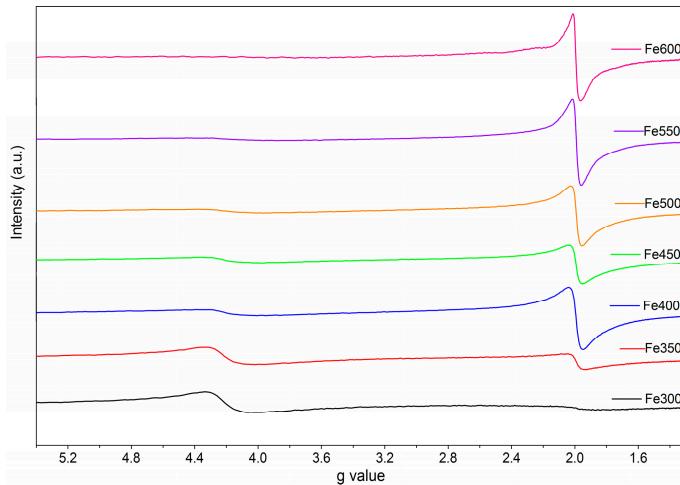


Figure S6. EPR Spectra of the iron-loaded samples at different heating temperatures.