

Supporting information

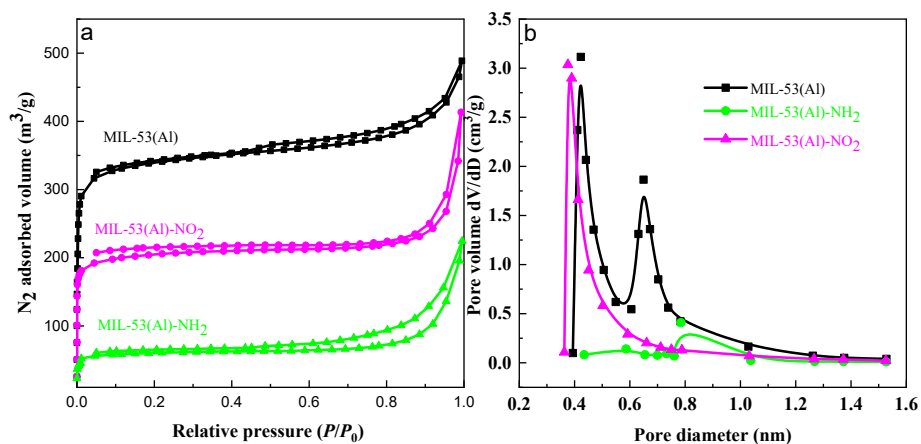


Figure S1 Nitrogen adsorption-desorption isotherms and corresponding pore size distributions of MIL-53(Al), MIL-53(Al)-NO₂ and MIL-53(Al)-NH₂

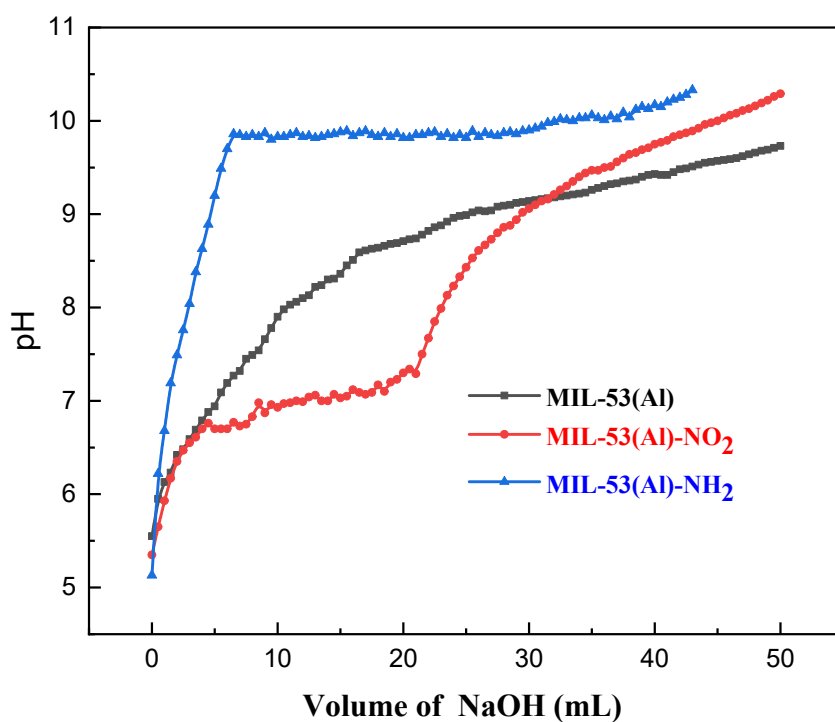


Figure S2 Titration and derivative curve of MIL-53(Al), MIL-53(Al)-NO₂ and MIL-53(Al)-NH₂ with NaOH (0.005M)

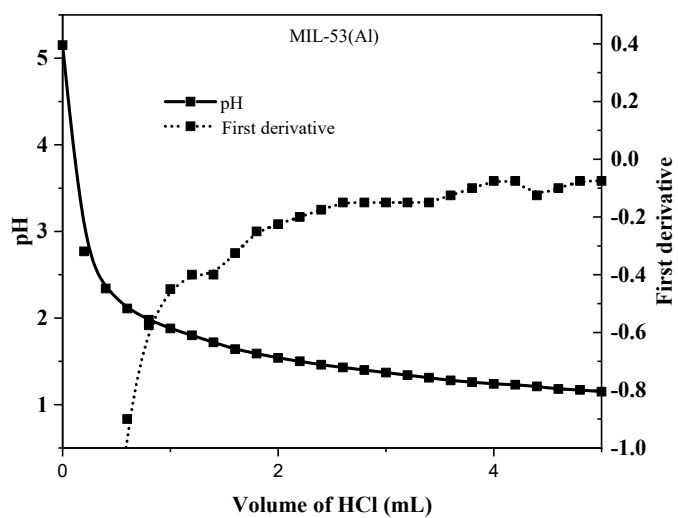


Figure S3 Titration and derivative curve of MIL-53(Al) with HCl (0.1M)

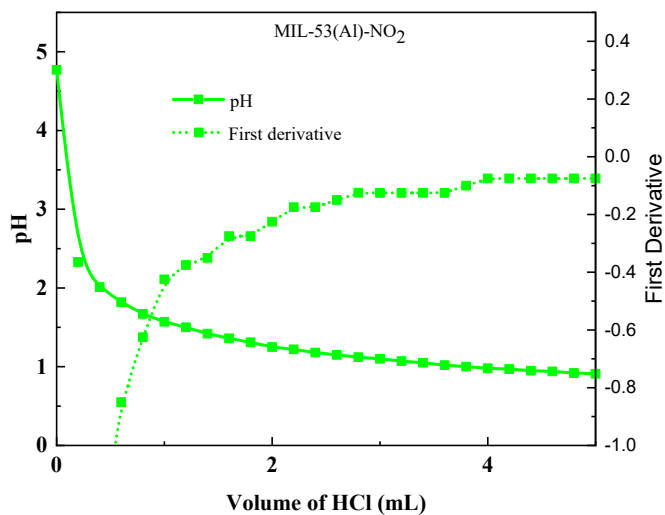


Figure S4 Titration and derivative curve of MIL-53(Al)-NO₂ with HCl (0.1M)

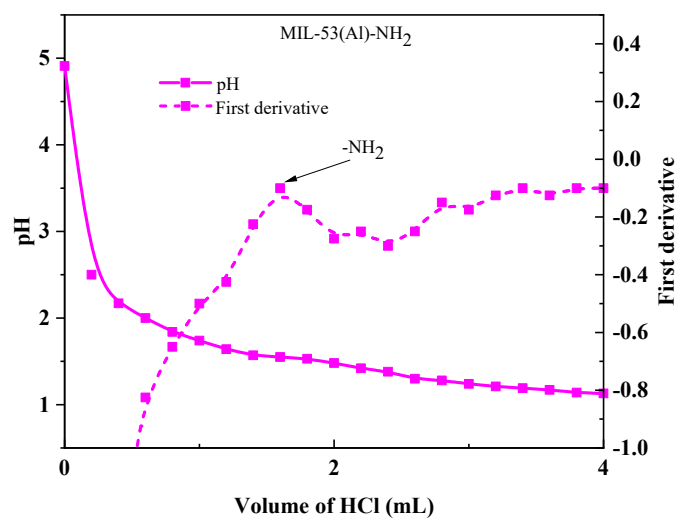


Figure S5 Titration and derivative curve of MIL-53(Al)-NH₂ with HCl (0.1M)