Supporting Information

Bimetal NiCo-MOF-74 for highly selective NO capture from flux gas at ambient conditions

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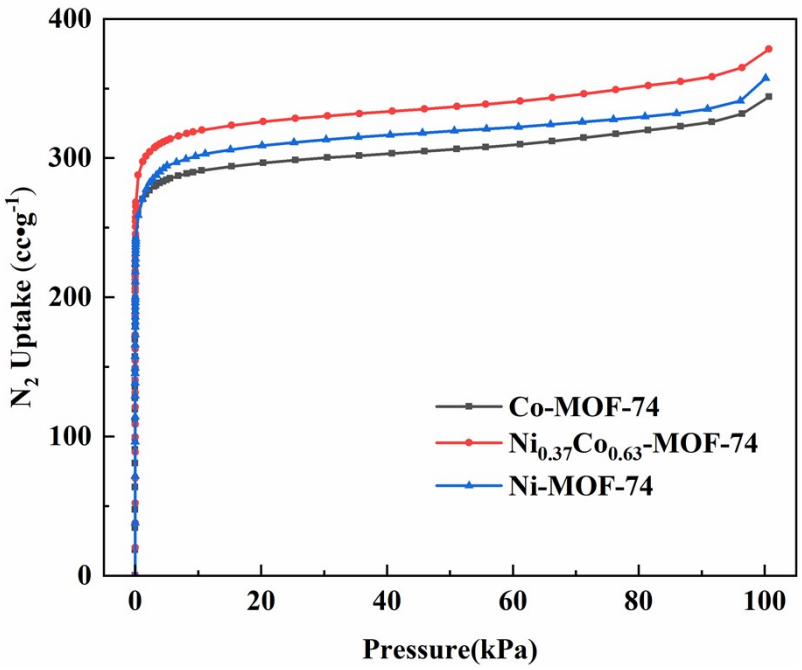

Fig. S1. N_2 adsorption isotherms of Co-MOF-74, Ni-MOF-74 and $Ni_{0.37}Co_{0.63}$-MOF-74 at 77 K

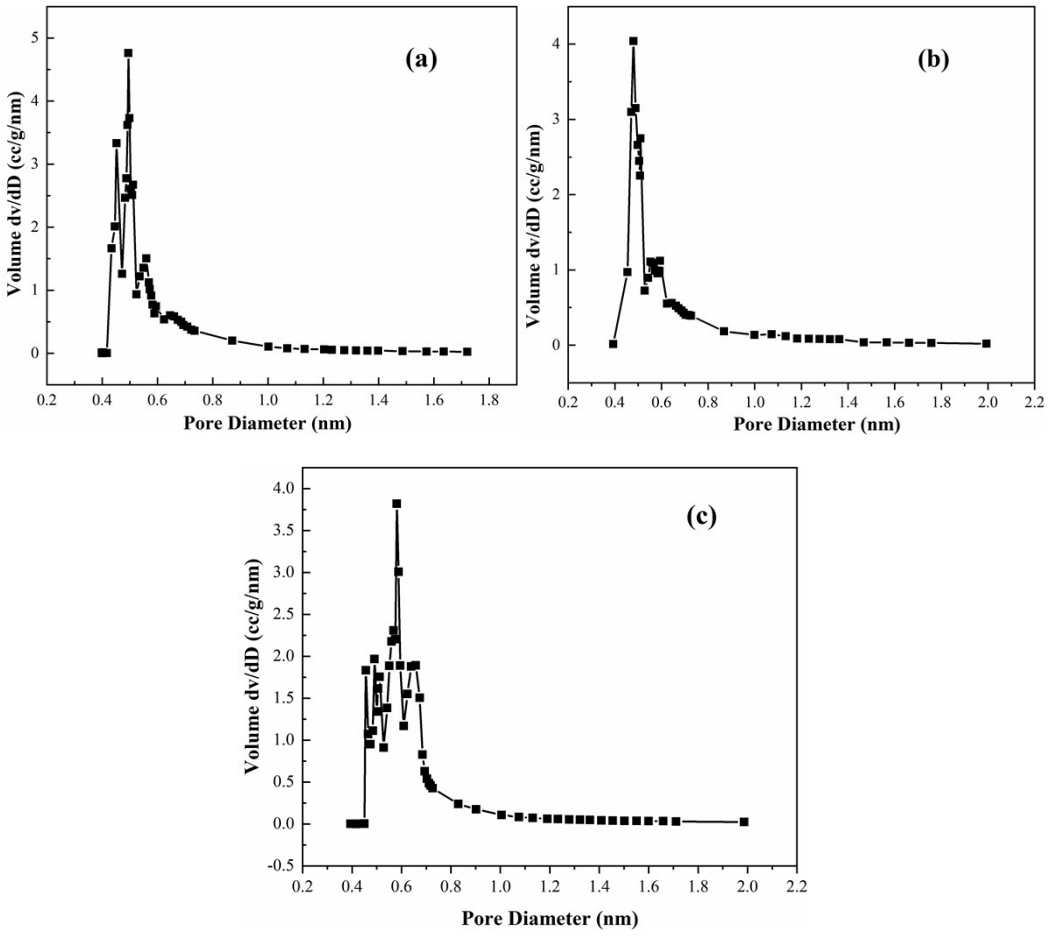

Fig. S2. Pore distribution curve of Co-MOF-74(a), Ni-MOF-74(b) and $Ni_{0.37}Co_{0.63}$-MOF-74(c)

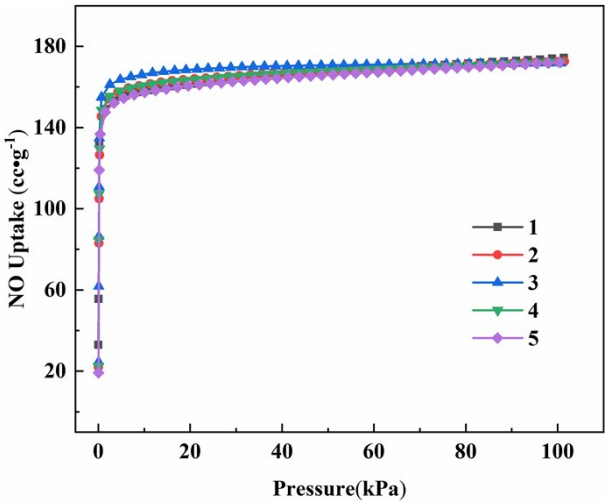

Fig. S3. The cyclic adsorption curve of $Ni_{0.37}Co_{0.63}$-MOF-74 for NO at different regeneration times at 100 kPa.

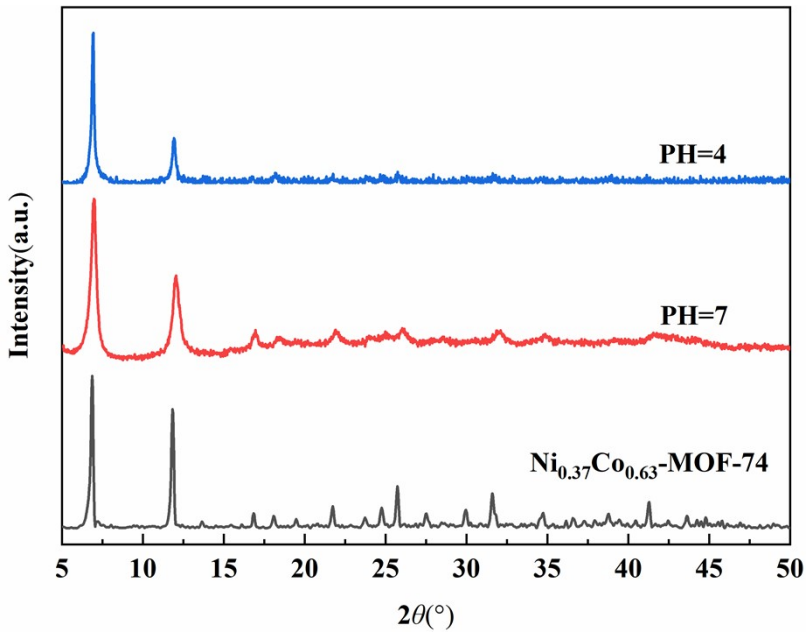

Fig. S4. XRD profile of $Ni_{0.37}Co_{0.63}$-MOF-74 after soaking in pH=4 and pH=7 for 72 hours.

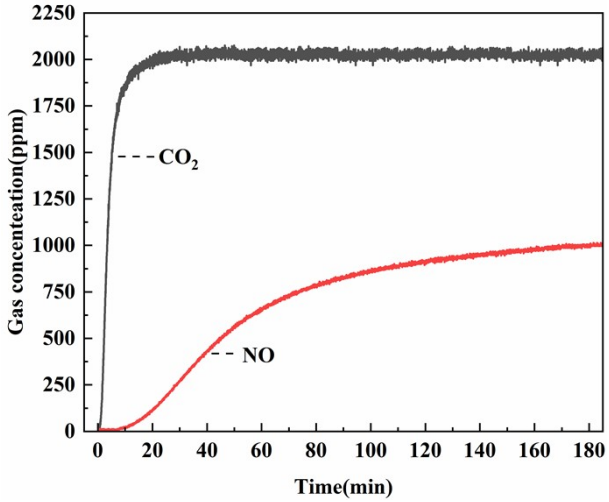

Fig. S5. The adsorption curve of $Ni_{0.37}Co_{0.63}$-MOF-74 in breakthrough experiment

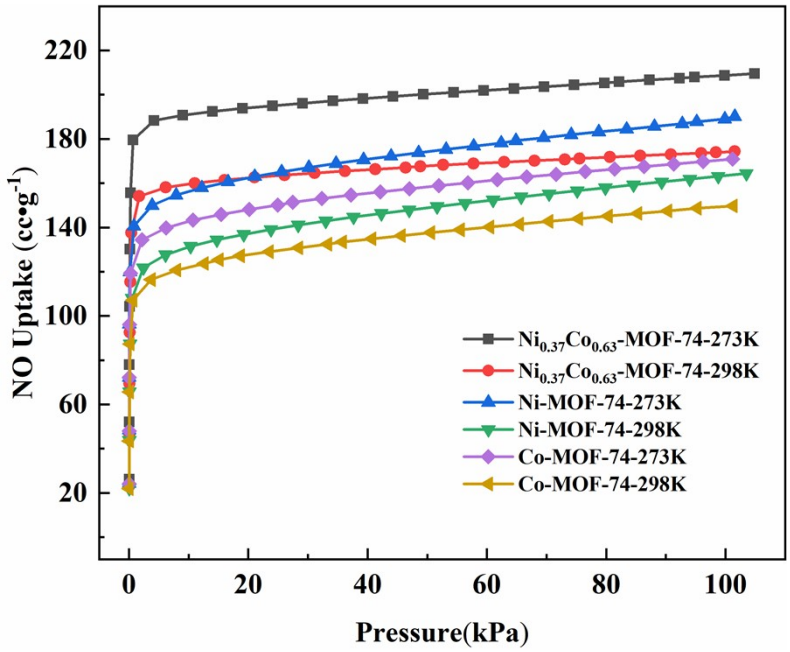

Fig. S6. NO isotherm at 273 K and 298 K of Co-MOF-74, Ni-MOF-74 and $Ni_{0.37}Co_{0.63}$-MOF-74