

Supporting Information

A Metal-Organic Framework Constructed by a Viologen-Derived Ligand: Photochromism and Discernible Detection of Volatile Amines Vapors

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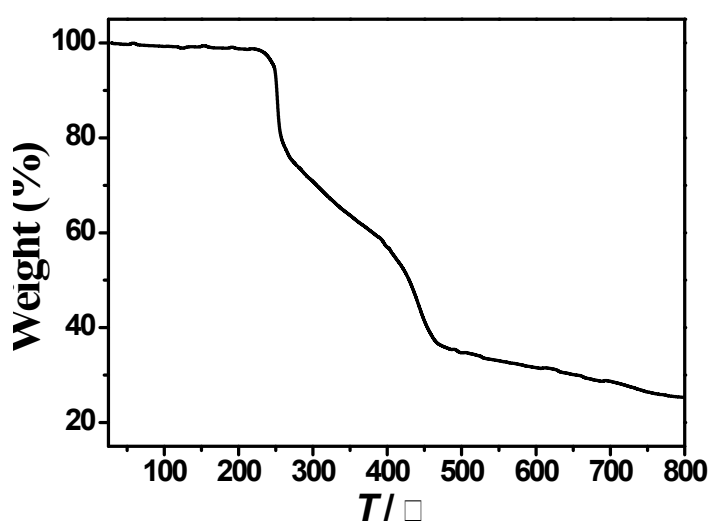


Fig. S1. TG curve of Co-MOF-1.

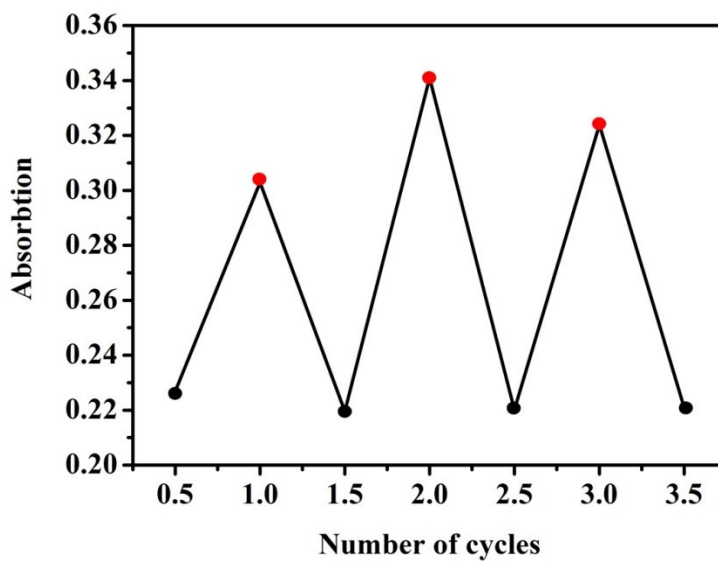


Fig. S2 Variation of the absorbance at $\lambda = 652$ nm in the repeated photochromic cycles of Co-MOF-1.

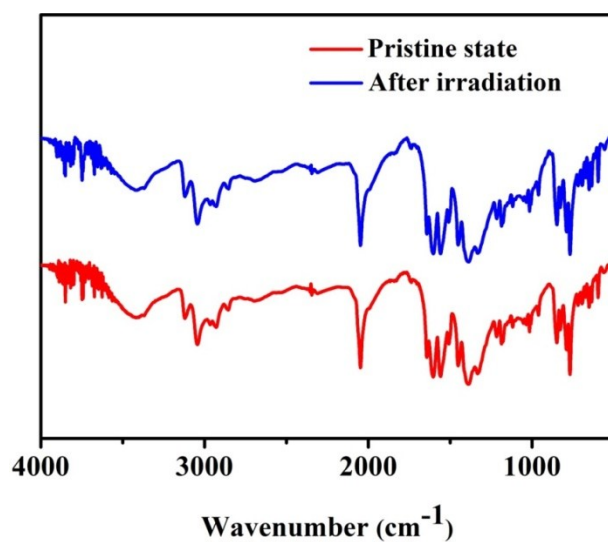


Fig. S3 Comparison of the IR spectra of Co-MOF-1 before and after irradiation.

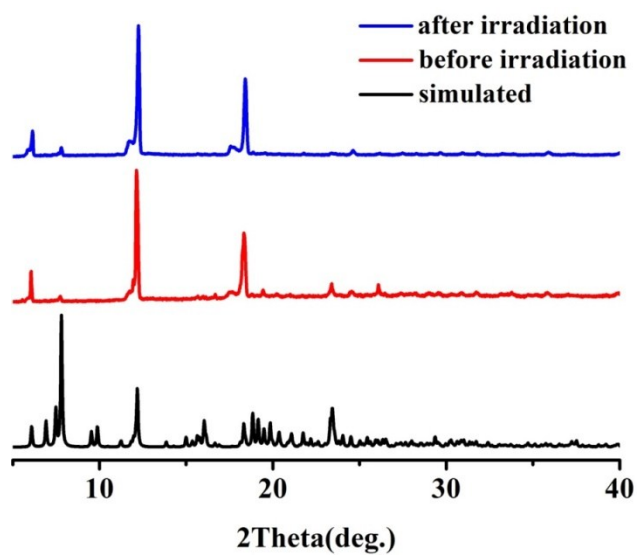


Fig. S4 Comparison of the PXRD spectra of Co-MOF-1 before and after irradiation.

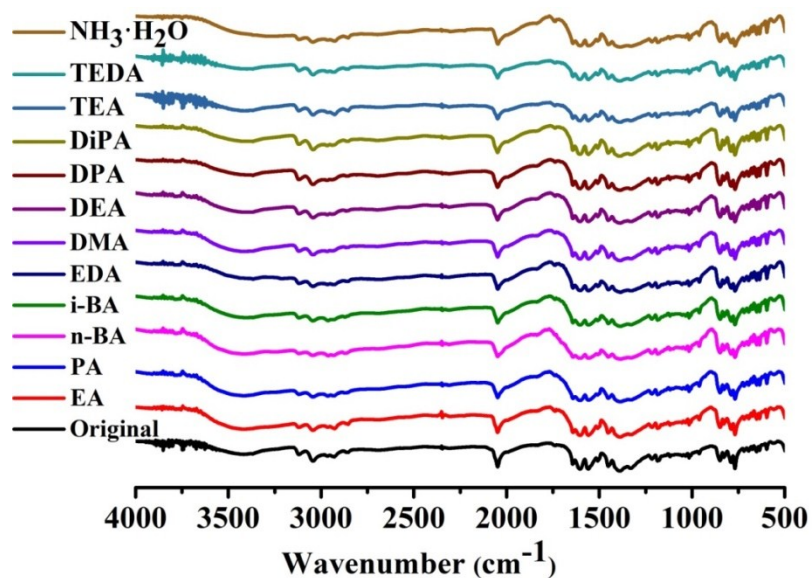


Fig. S5 Comparison of the IR spectra of Co-MOF-1 before and after fuming with different amines.

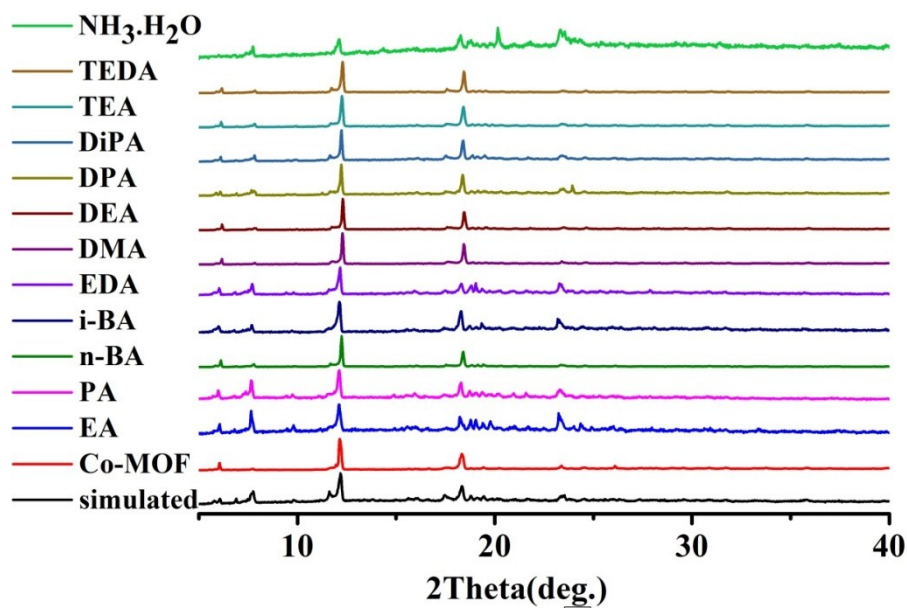


Fig. S6 Comparison of the PXRD files spectra of Co-MOF-1 before and after fuming with different amines.

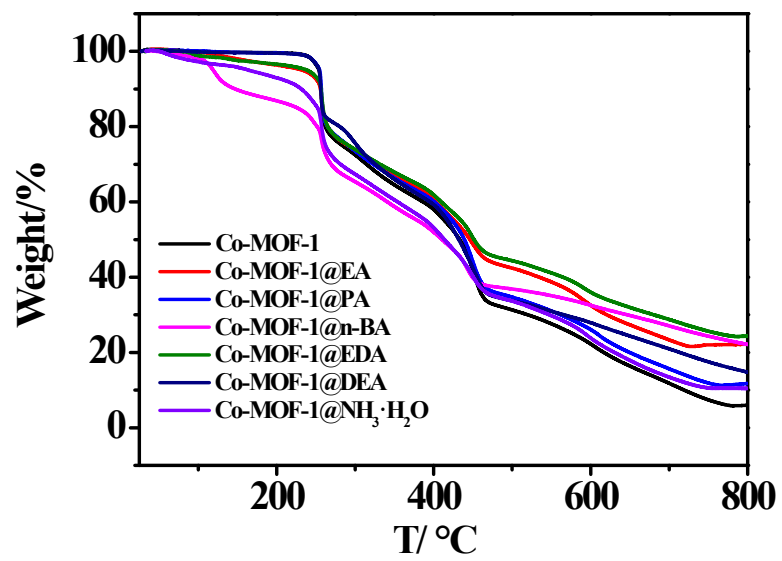


Fig. S7 Comparison of the thermogravimetry curves of Co-MOF-1 before and after fuming with different amines.