Electronic Supplementary Material (ESI) for Dalton Transactions. This journal is © The Royal Society of Chemistry 2023

**Supplementary material** 

A new Dual-Ligand DTU-52-Type Metal–Organic Framework For Ratiometric Luminescent Detection of Aqueous-Phase Cu<sup>2+</sup> and Cr<sub>2</sub>O<sub>7</sub><sup>2-</sup>

Xue Wen<sup>a</sup>, Wenjun Zhang<sup>\* a</sup>, Cong Ding<sup>a</sup> Zhongfa Li<sup>a</sup>, Chengyue Xin<sup>a</sup>

<sup>a</sup> School of Chemical Engineering, Hebei University of Technology

Tianjin, 300130, China.

\* E-mail: wjzhang@hebut.edu.cn

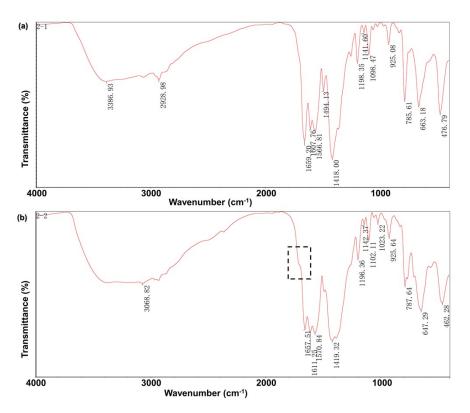


Figure S1. FT-IR spectra of (a) DTU-52 and (b) DUT-52-COOH.

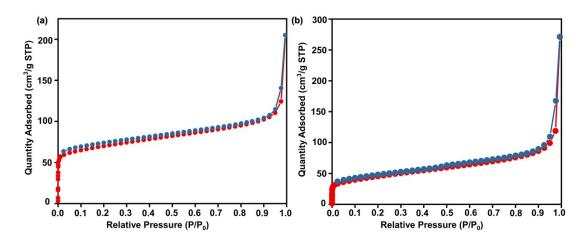


Figure S2. N<sub>2</sub> adsorption isotherms of (a) DUT-52-COOH and (b) Eu<sup>3+</sup>/DUT-52-COOH.