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Supporting information for article:

Construction of a Pb^{II}-coordination polymer from a semi-rigid ditopic 2,2-biimidazole derivative: synthesis, crystal structure and characterization

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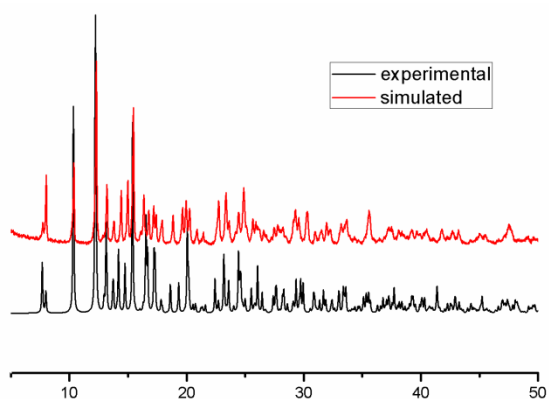


Figure S1 The PXR D patterns of complex 1 (experiment and calculation) at room temperature.

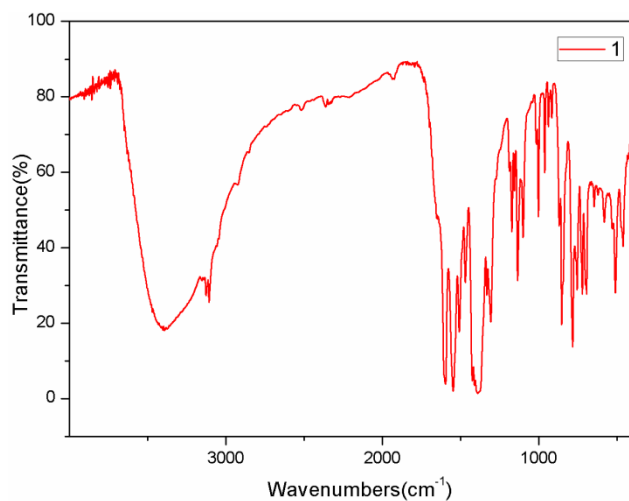


Figure S2 IR absorption spectrum of complex 1.

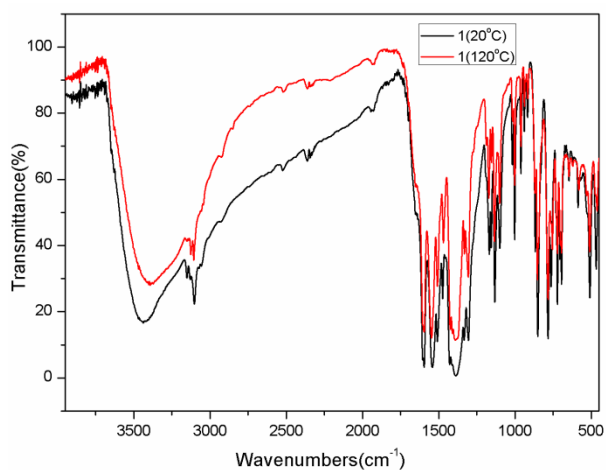


Figure S3 IR absorption spectrum of complex 1 at room temperature and 120 °C.

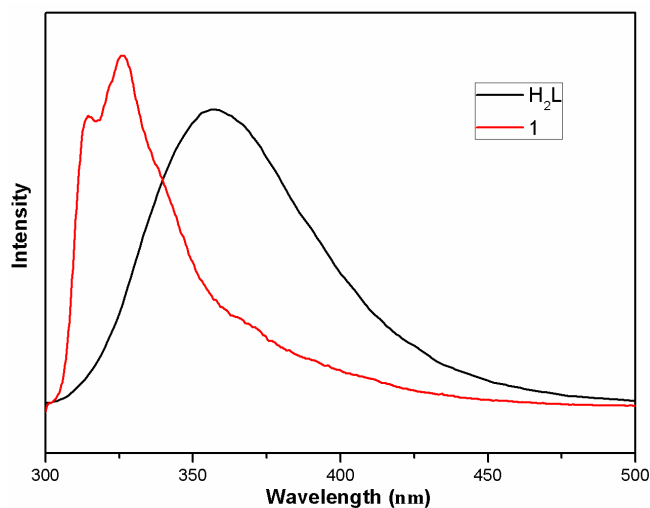


Figure S4 Solid state fluorescent emission spectra for complex 1.

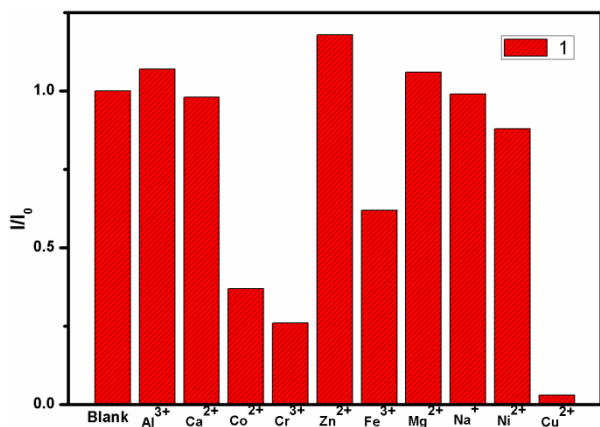


Figure S5 Fluorescent intensities of complex 1 for distinct metal ions.

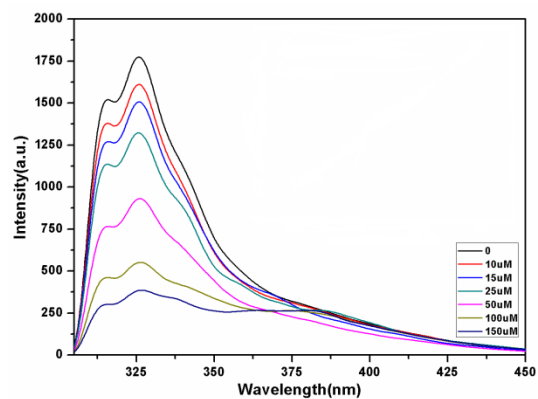


Figure S6 Relationship between the fluorescence intensities and the concentration of Cu²⁺ cations for 1.

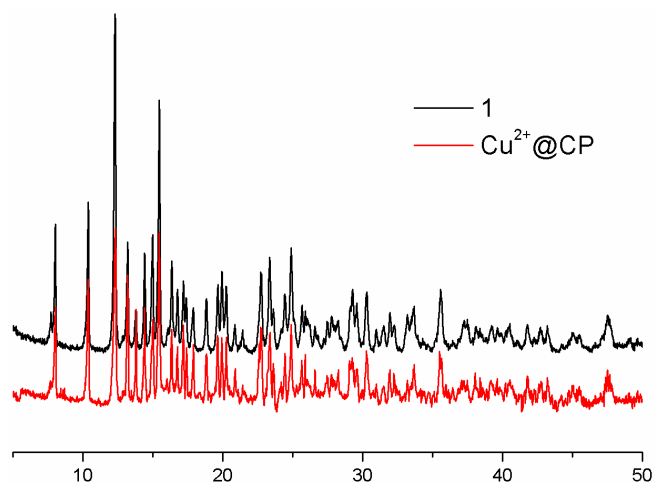


Figure S7 The PXRD patterns of complex **1** and Cu²⁺@CP.