

## SUPPLEMENTARY MATERIAL

# Synthesis, Crystal Structure, and Photoluminescent Properties of a Series of Ln<sup>III</sup>-Cu<sup>I</sup> Heterometallic Coordination Polymers Based on Cu<sub>4</sub>I<sub>3</sub> Clusters and Ln-ina Rod Units

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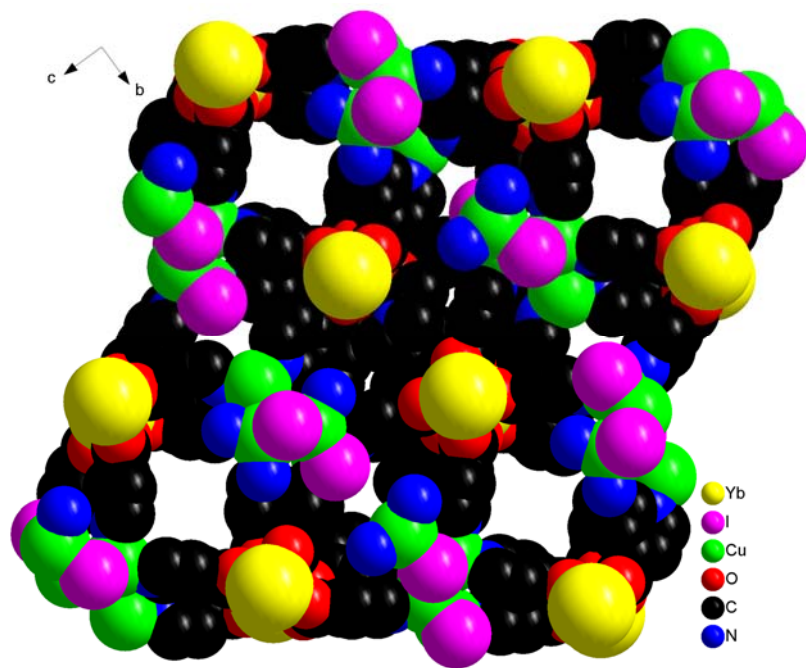
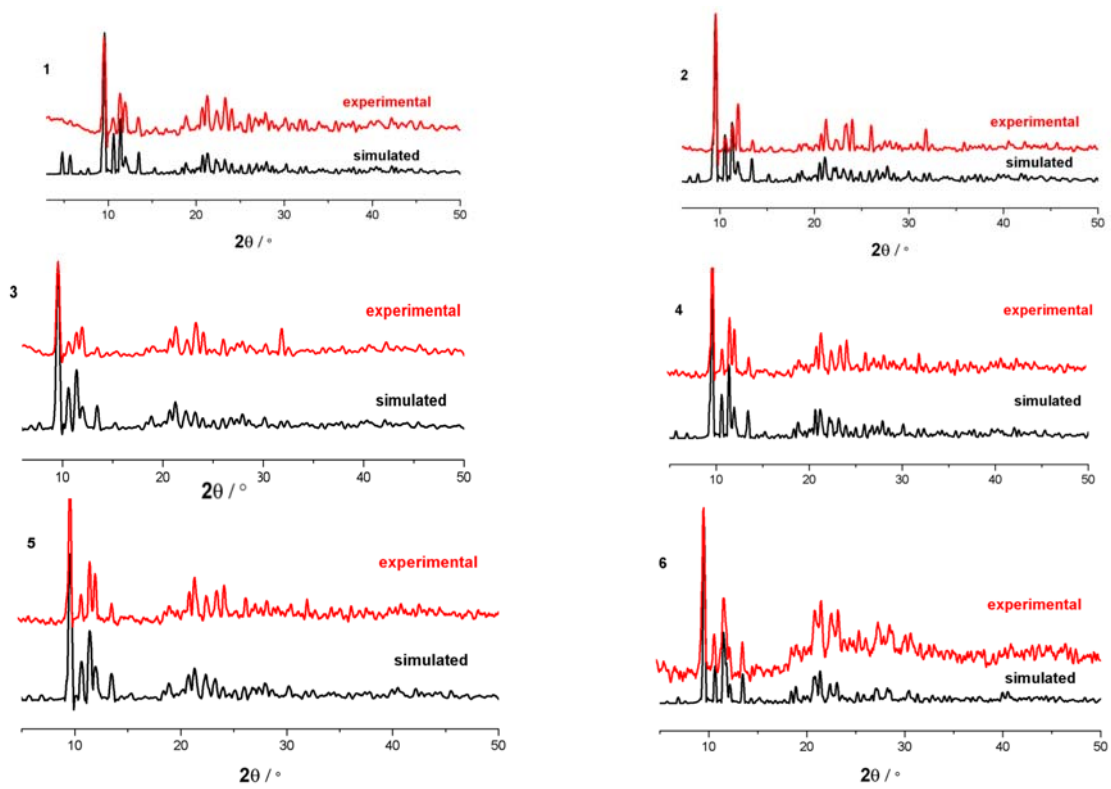


Fig. S1 The space filling mode of compound 12.



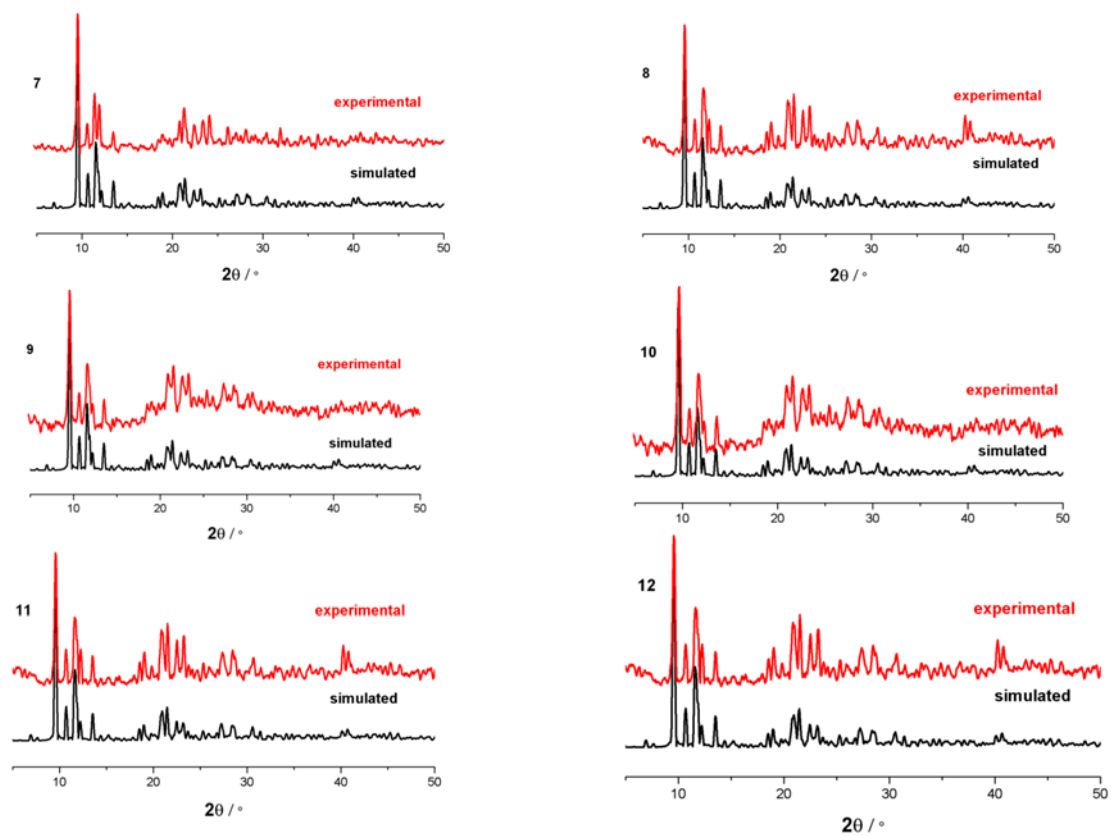


Fig. S2 The simulated and experimental PXRD patterns of 1-12.

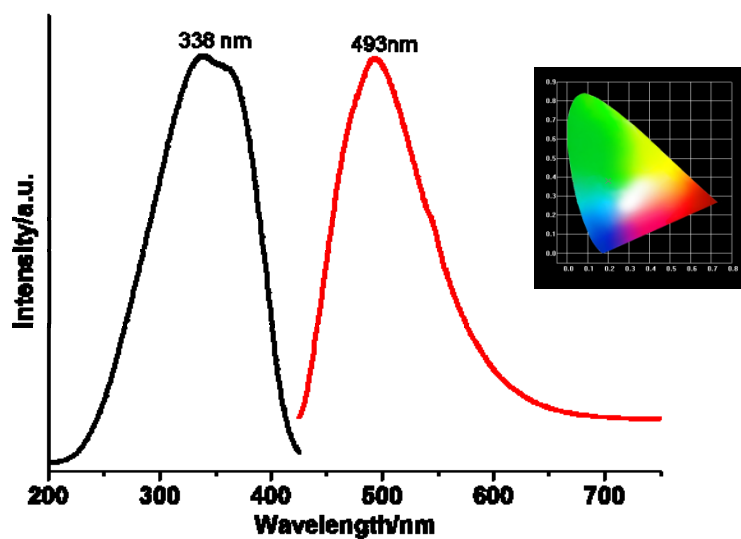


Fig. S3 The exciting and emission spectra of 7.