

## Supplementary Informations

### **Synthesis, structures and Photoluminescence properties of mixed ligand divalent metal-organic frameworks**

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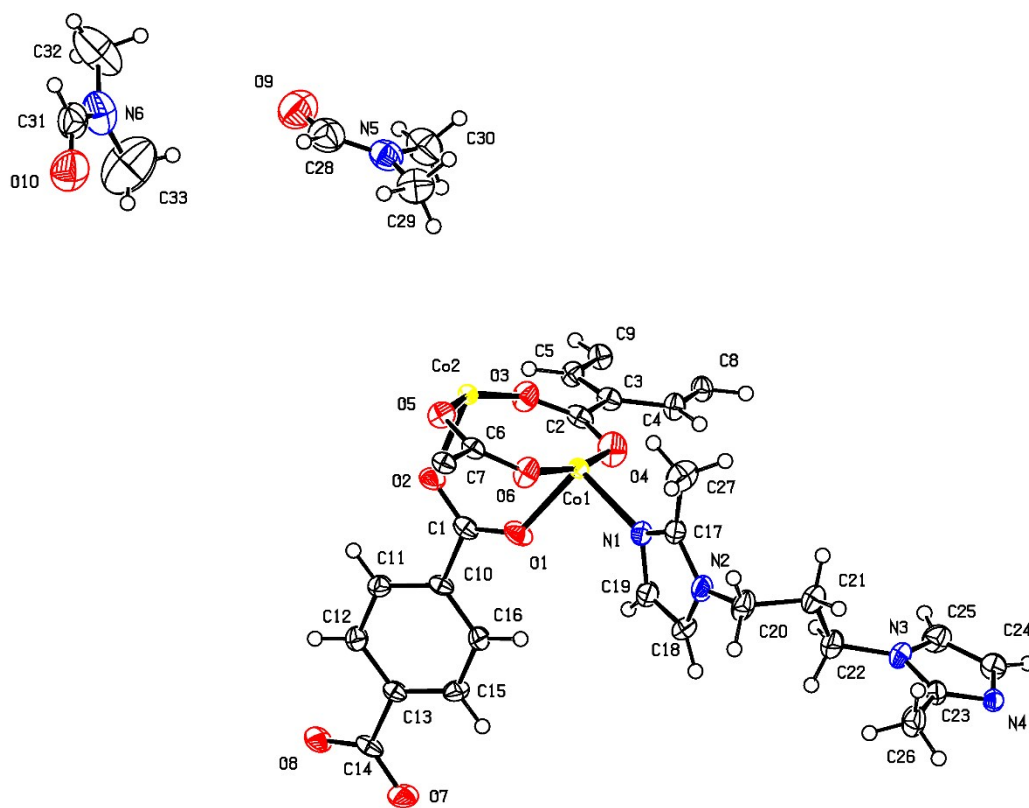
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**Fig. 1S.** A view of the structure of asymmetric unit of compound 1.

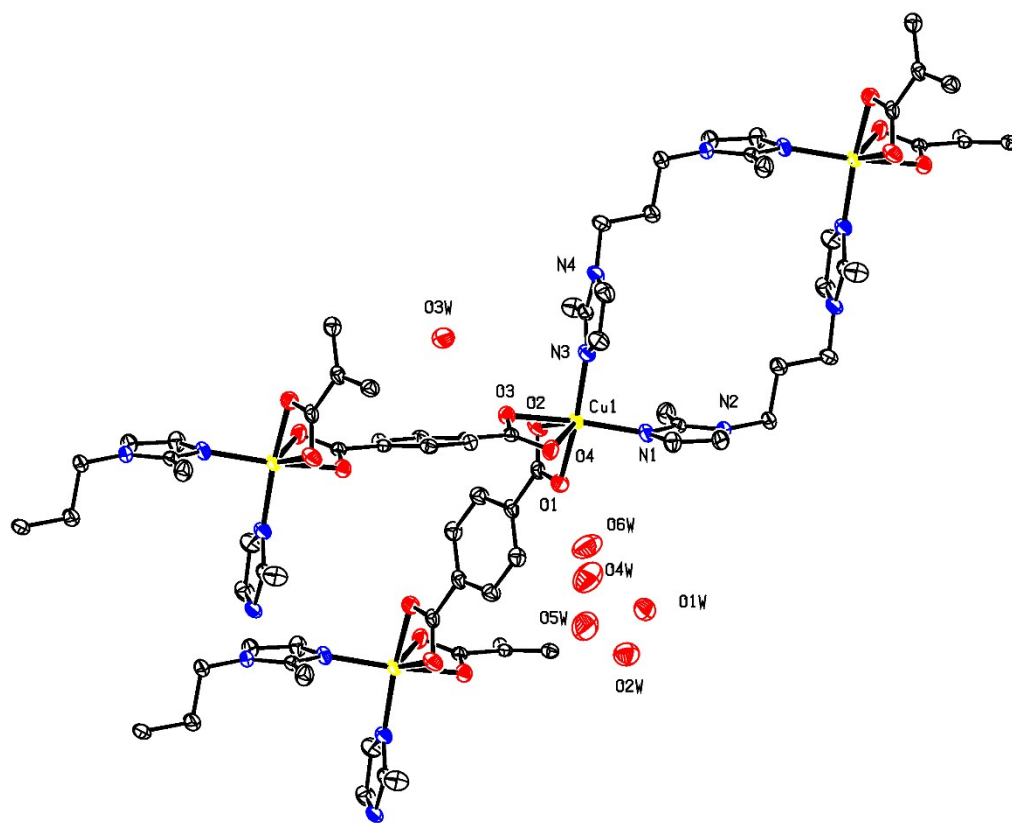


Fig. 2S. A view of molecular structure of compound 2.

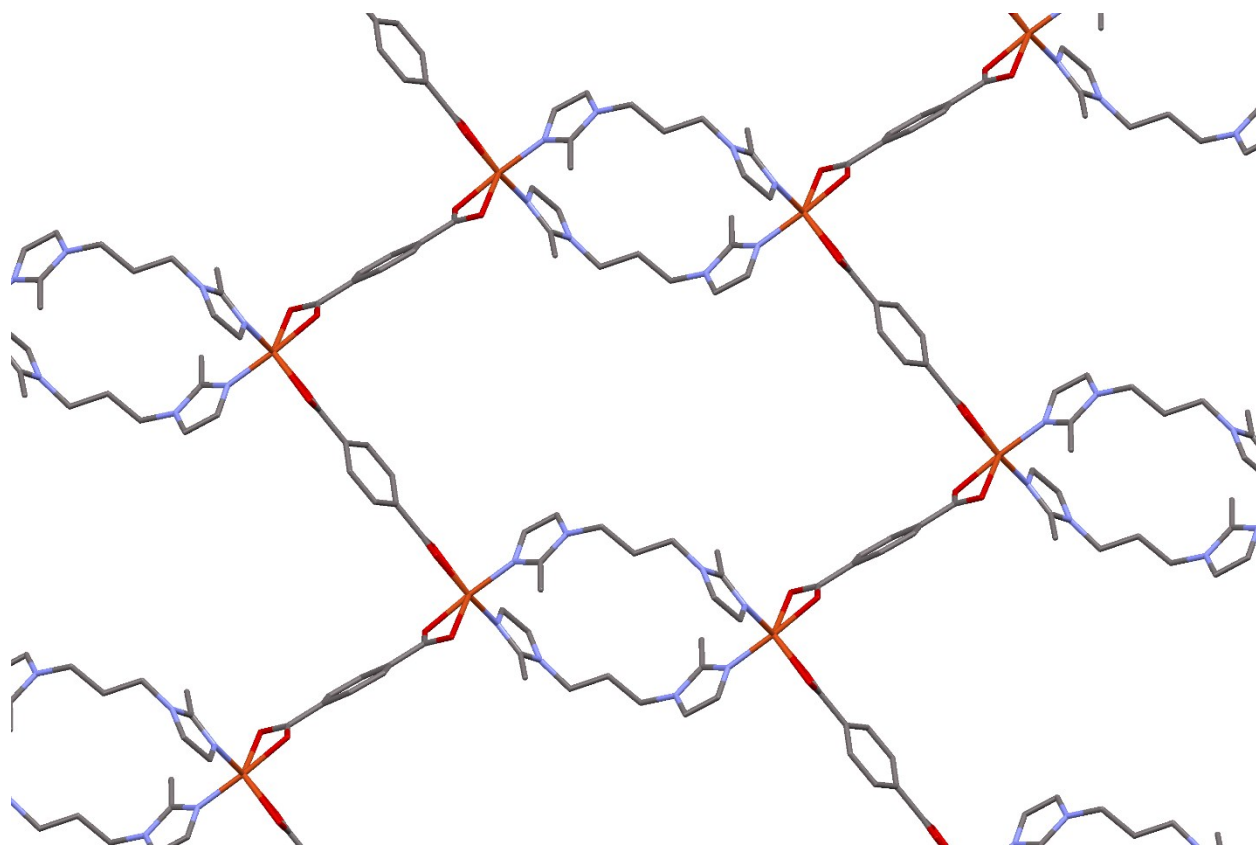


Fig. 3S. A view of schematic structure of compound 2.

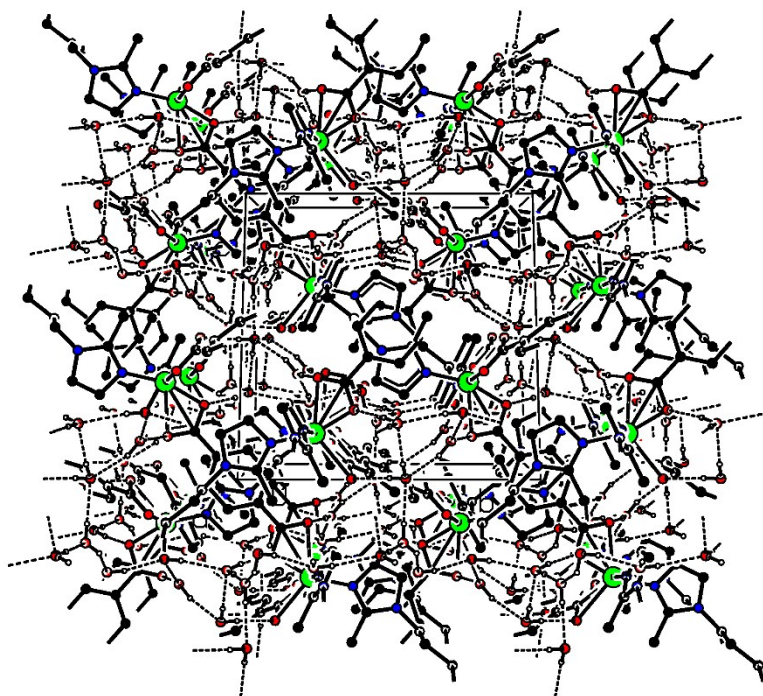


Fig. 4S. A view of 3D Hydrogen bonded network of compound 2 along  $a$  axis.

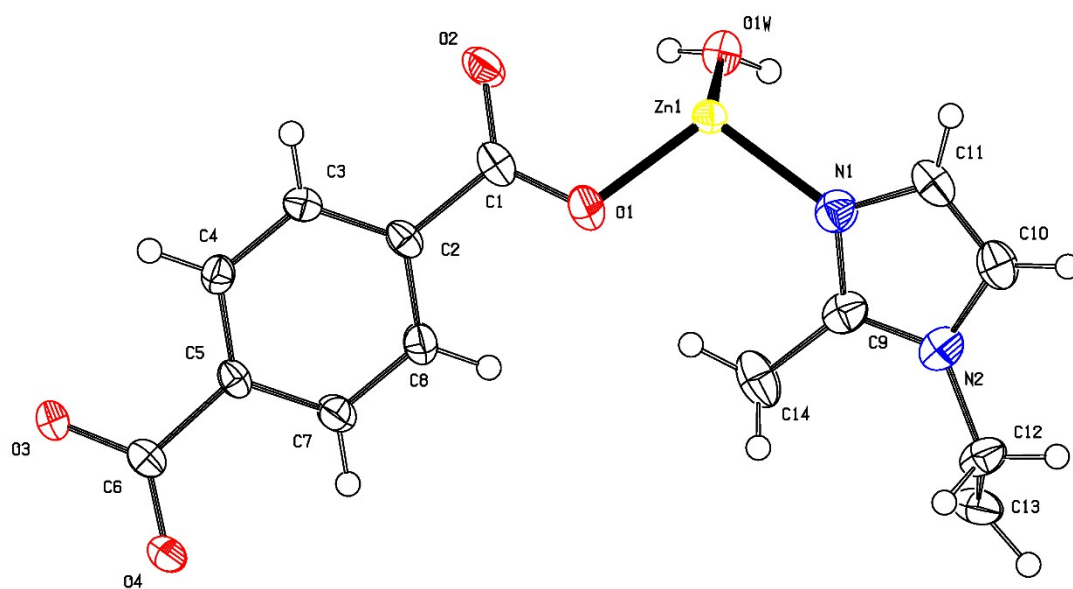
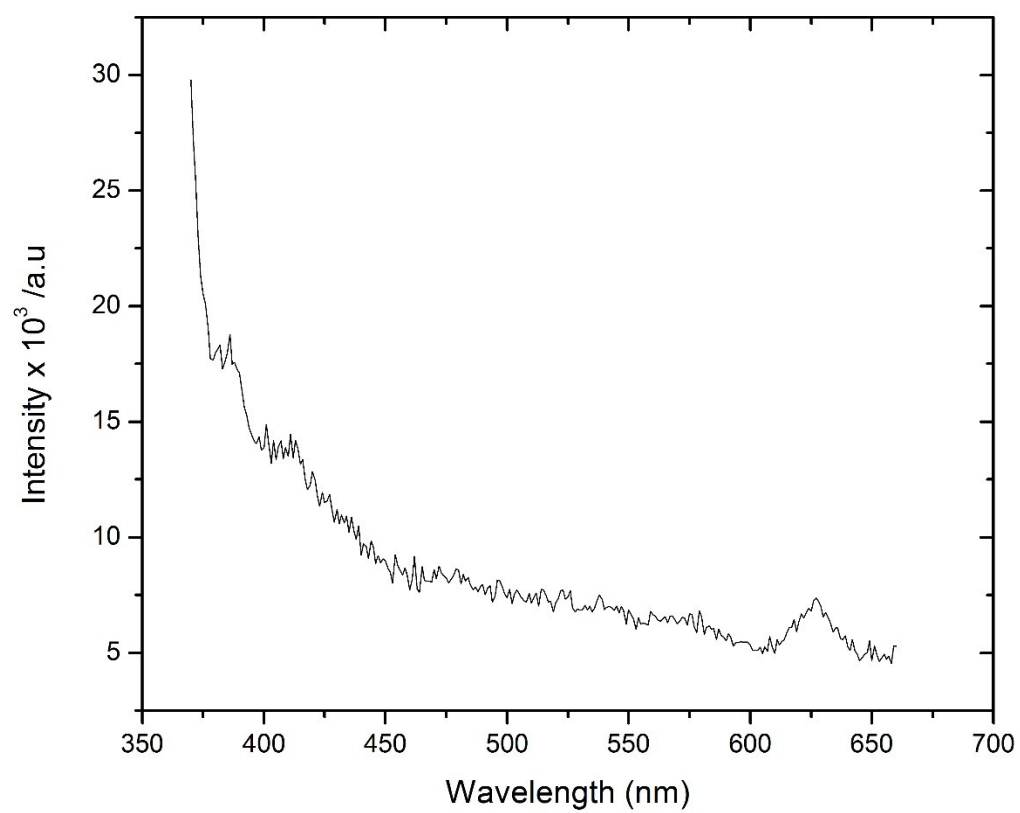


Fig. 5S. A view of asymmetric unit of molecular structure of compound 3, with atom labeling scheme.



**Fig. 6S** Emission spectra of compound **1** at room temperature.