

Supplementary materials: Synthesis, crystal structure and luminescent properties of 2D zinc coordination polymers based on bis(1,2,4-triazol-1-yl)methane and 1,3-bis(1,2,4-triazol-1-yl)propane

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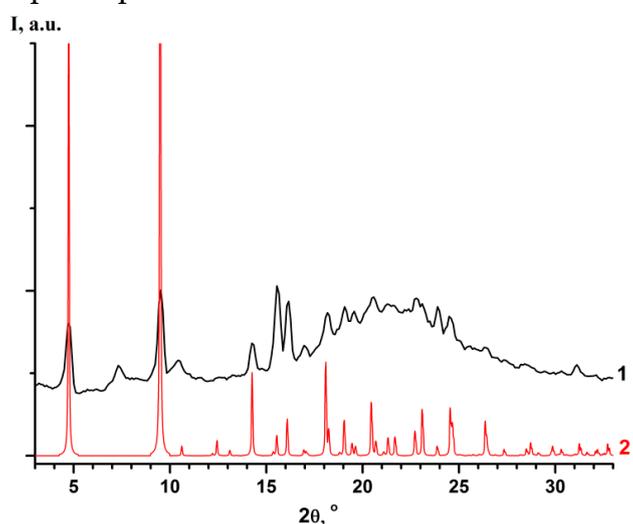


Figure S1. XRD patterns of compound 1: experimental (1) and simulated from single crystal data (2)

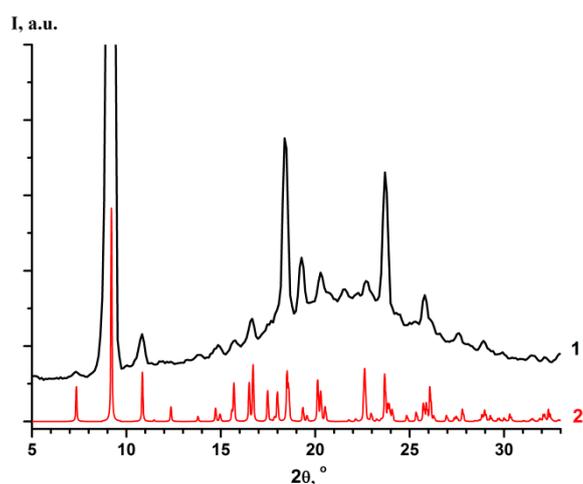


Figure S2. XRD patterns of compound 2: experimental (1) and simulated from single crystal data (2)

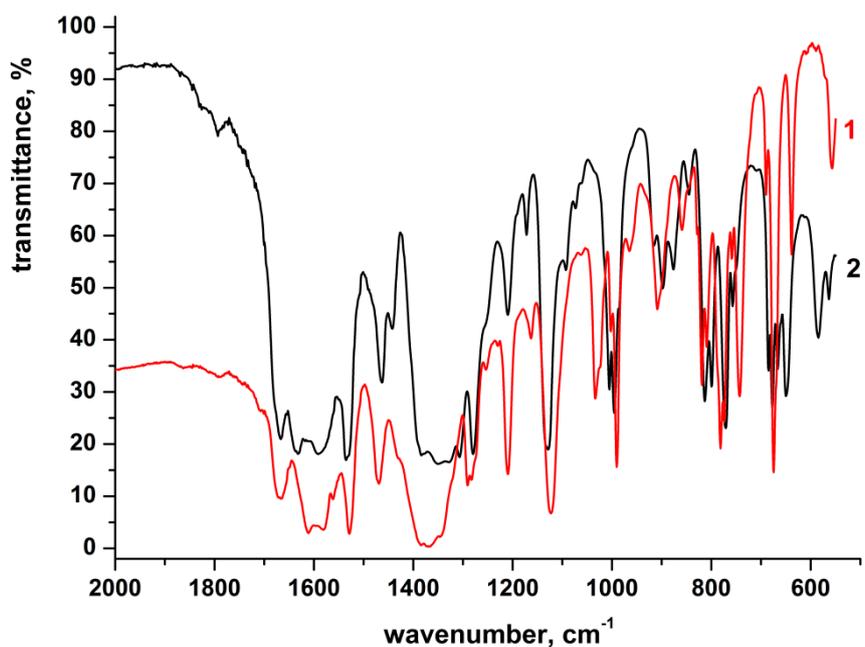


Figure S3. IR spectra of coordination polymers: 1 – compound 1, 2 – compound 2.

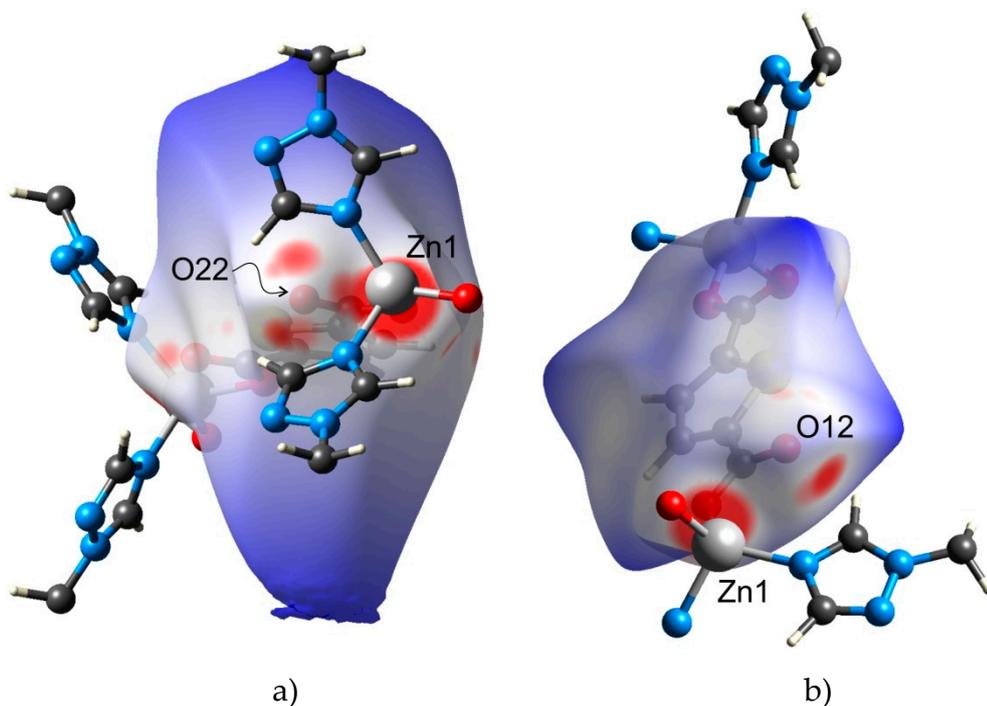


Figure S4. (a, b) The d_{norm} Hirshfeld surface of $(\text{tdc})^{2-}$ ligands of the complex $[\text{Zn}(\text{tdc})(\text{btrm})]\cdot 0.5\text{DMF}$ (**1**). Area with intermolecular contacts closer than the sum of atoms van der Waals radii are red, longer contacts are blue, and contacts around the sum of van der Waals radii are white. Blue prolate regions below and above $(\text{tdc})^{2-}$ ligand (a) is an artifact of calculation due to lack of atoms in the voids of the crystal model.

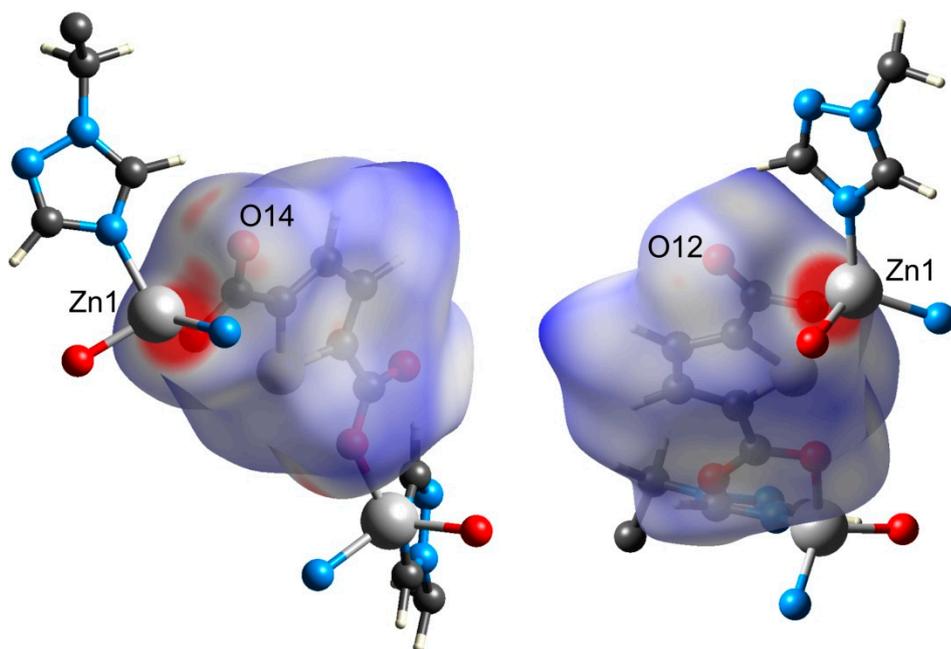


Figure S5. The d_{norm} Hirshfeld surface of $(\text{tdc})^{2-}$ ligand of the complex $[\text{Zn}(\text{tdc})(\text{btrp})]\cdot 0.5\text{DMF}$ (**2**) in different projections. Area with intermolecular contacts closer than the sum of atoms van der Waals radii are red, longer contacts are blue, and contacts around the sum of van der Waals radii are white.

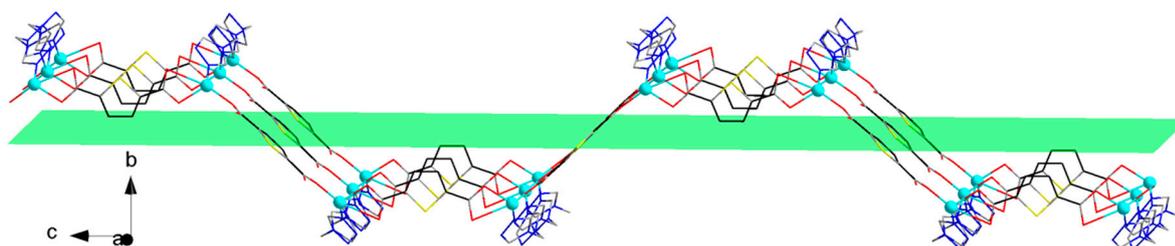


Figure S6. Fragment of the layer of the complex **1**. Green plane represents the mean plane of Zn atoms.

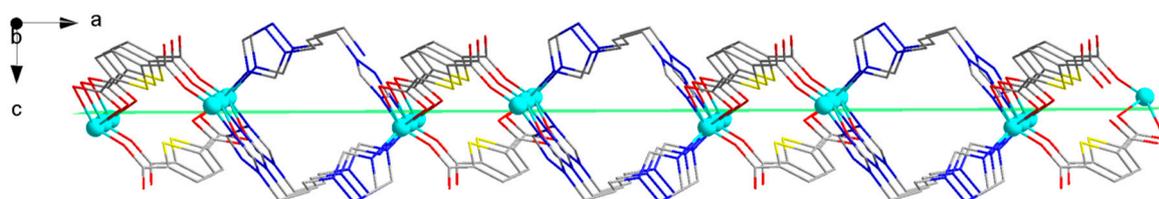


Figure S7. Fragment of the layer of the complex **2**. Green plane represents the mean plane of Zn atoms.