Supplemental Material for:

Assembly of Copper–Tetrazole Frameworks with Role-Changeable Keggin Clusters: Syntheses, Structures, Solvent-Dependent Luminescence and Electrochemistry Properties

Zhen-yu Shi, a,b Zhe-yu Zhang, a Jun Peng, * Xia Yu a and Xiang Wang a

Scheme S1 View of the coordination modes of HL ligands in compound 2.

Fig. S1 (a) View of the 2D layers linked into a 3D framework through supramolecular interactions. (b) View of the compacted aromatic stacking interactions in compound 1. All hydrogen atoms are omitted for clarity.
Fig. S2 View of the variable coordination modes of HL ligands in compound 2.

Fig. S3 View of \(\{\text{Cu}_4\}^{4+}\) cluster in compound 2.
Fig. S4 IR spectra of compounds 1 and 2.

Fig. S5 TG curves of compounds 1 and 2.
Fig. S6 PXRD patterns of compounds 1 and 2: a) simulated from single-crystal data, b) as-synthesized sample, (c) heated at 180 °C for 12 h.

Fig. S7 Solid-state emission spectra of HL ligand, compounds 1 and 2.