Electronic Supplementary Information for:

Metal-Organic Frameworks Constructed from Mixed-Ligand 1,2,3,4-Tetra-(4-Pyridyl)-Butane and Benzene-Polycarboxylate Acids: Syntheses, Structures and Physical Properties

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**Fig. S1** The coordination configuration of the ligand TPB with Mn ions in 1.

**Fig. S2** Coordination geometries of the Zn\(^{2+}\) ions in 2. Symmetry codes: (#1 x, 2-y, 0.5+z; #2 -x, y, -0.5-z; #3 0.5-x, -0.5+y, 0.5-z; #4 -0.5+x, -0.5+y, -1+z).
Fig. S3 (a) and (a’) Perspective view of the 1D channels formed by zinc centers and TMA anions from different directions; (b), (b’) and (b’”) View of the 1D channels connected by the “second” ligands of TPB molecules from different directions; (c) and (c’) View of the 3D network from different directions.
Fig. S4 The as-synthesized (black) and simulated (red) PXRD patterns for compounds 1-3, respectively.
**Fig. S5** TG curves of complex 1-3.