Supplementary Material (ESI) for CrystEngComm

ESI

The 3D Heterometal-Organic Frameworks Based on Oxydiacetic Acid

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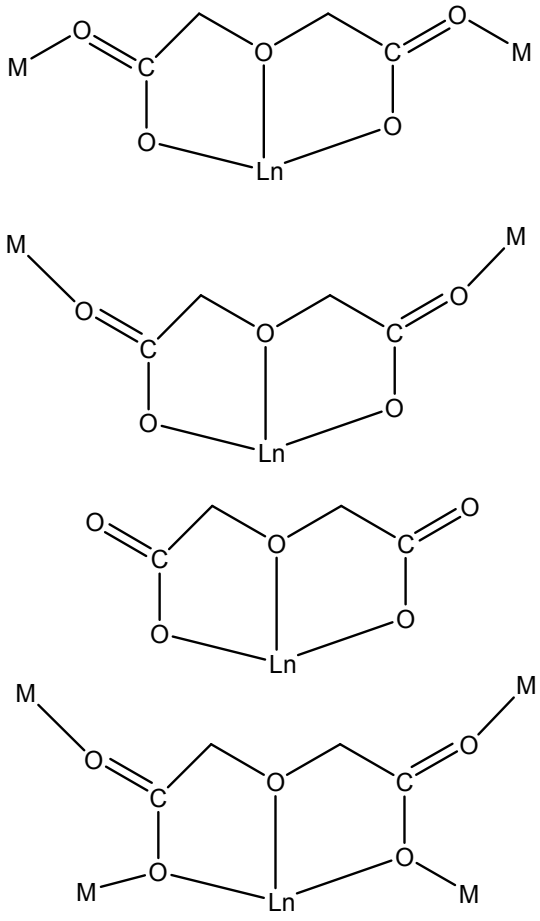

Figure S1. The coordination motifs of H_2oda.

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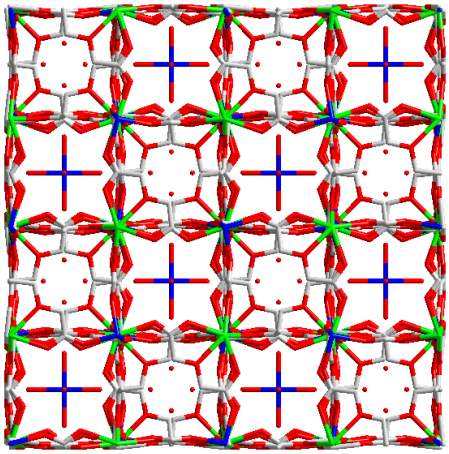

Figure S2. View of the 3D network along *c* direction in HMOF-II; green, La; blue, Mn; red, O; gray, C.

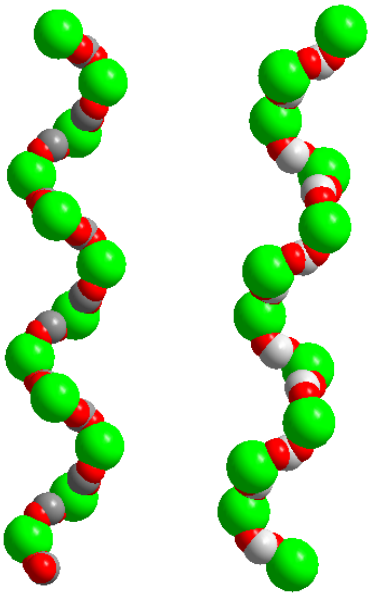

Figure S3. Space-filling view of the helical chains in HMOF-III; red, O; gray, C; green, La.

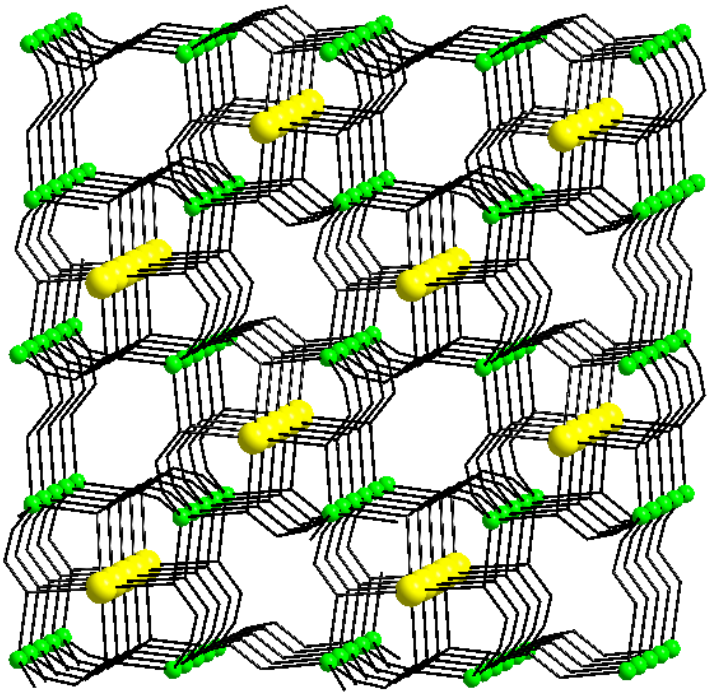

Figure S4. View of the 3D framework along *c* direction of HMOF-III; green, La; yellow, Pb; carboxylate group represents as black line; H atoms, guest molecules and mono-coordinated L ligands are omitted for clearity.

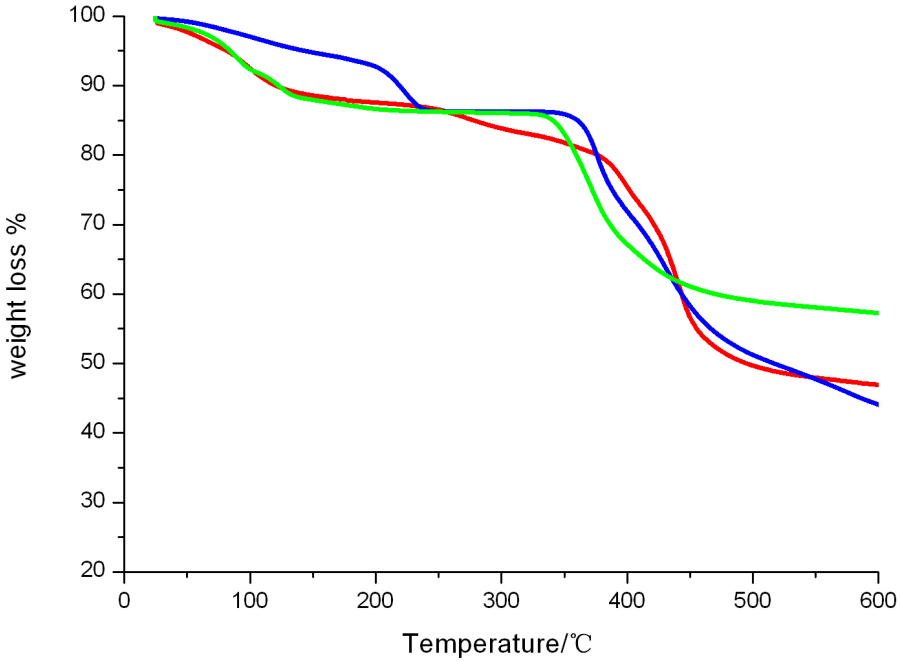

Figure S5. TGA plot of HMOF-I (red), HMOF-II (blue) and HMOF-III (green).

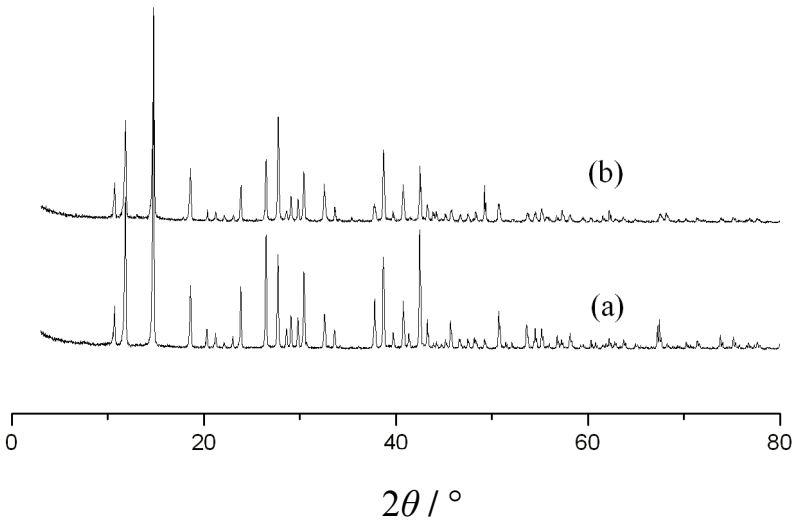

Figure S6. X-ray powder diffraction pattern of **La-Zn**: (a) as synthesized; (b) at 100 ºC.

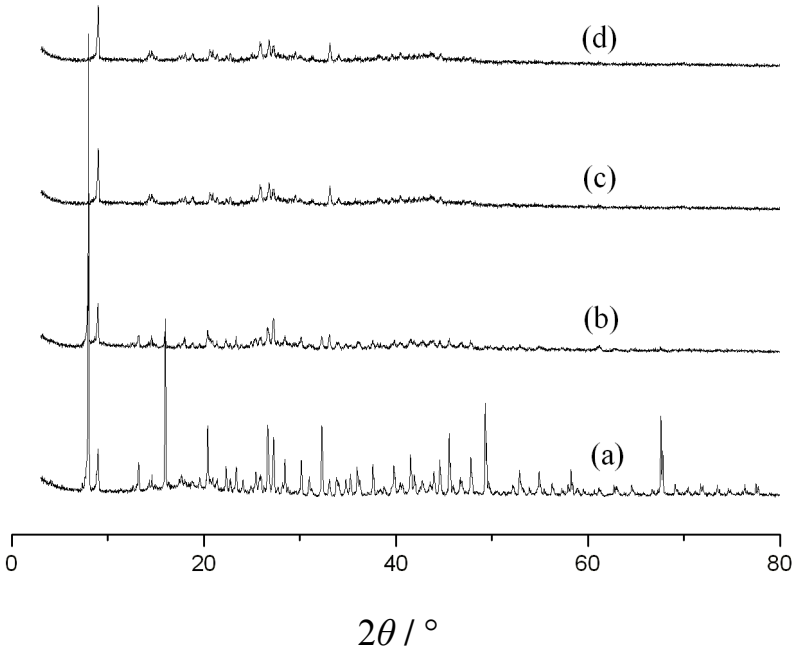

Figure S7. X-ray powder diffraction pattern of **La-Pb**: (a) as synthesized; (b) at 100 ºC; (c) at 150 ºC; (d) at 200 ºC.