

Supporting information:

Distinguishing metal-organic frameworks

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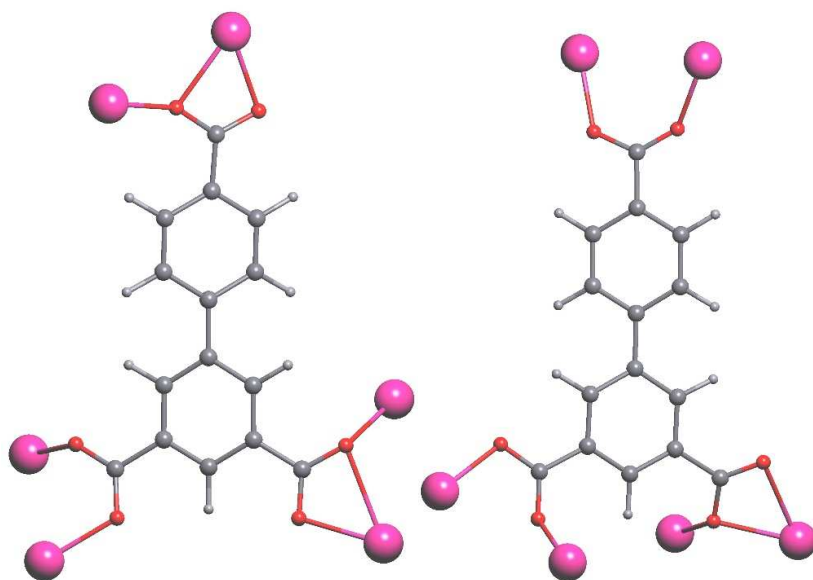


Figure SI1. Coordination modes G^{42} (left) and G^{51} (right) of biphenyl-3,4',5-tricarboxylate ligand in HEKTUO and QEKID, respectively. G^{42} means coordination of six-dentate ligand to four metal atoms by single donor atoms and to two metal atoms by double donor atoms. G^{51} means coordination of six-dentate ligand to five metal atoms by single donor atoms and to one metal atoms by double donor atoms.

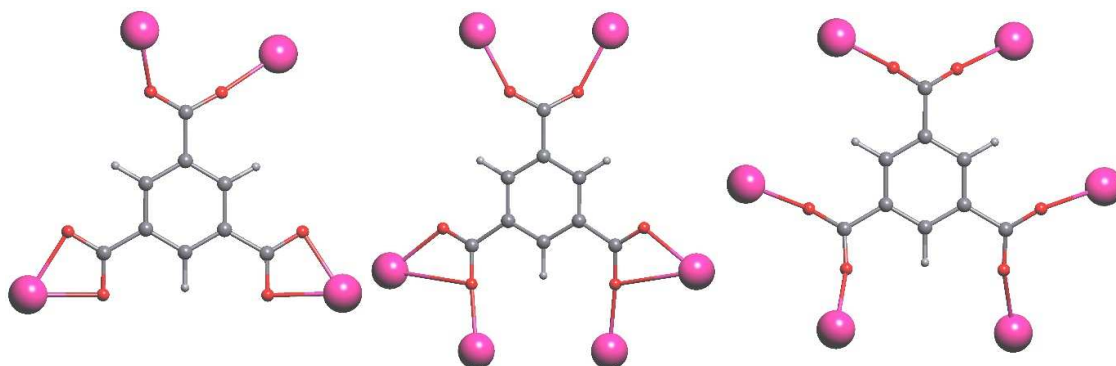


Figure SI2. Coordination modes G^{22} (left), G^{42} (centre) and G^6 (right) of benzene-1,3,5-tricarboxylate ligand in SEHTEF, LAVSUY and NADZEZ, respectively. G^{22} means coordination of six-dentate ligand to two metal atoms by single donor atoms and to two metal atoms by double donor atoms. G^{42} means coordination of six-dentate ligand to four metal atoms by single donor atoms and to two metal atoms by double donor atoms. G^6 means coordination of six-dentate ligand to six metal atoms by single donor atoms.