Electronic Supplementary Information (ESI)

Bottom-up Synthesis of 2D Co-based Metal-Organic Framework Nanosheets by an Ammonia-assisted Strategy for Tuning the Crystal Morphology

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**Supplemental Figures:**

**Figure S1** The digital photographs of precursor solution with different amounts of NH$_4$OH in the precursor solution: (a) the mixed solution of methanol and toluene; (b) the mixed solution added with Co(Ac)$_2$·4H$_2$O; (c) the mixed solution added with both Co(Ac)$_2$·4H$_2$O and 1 mol/L NH$_4$OH; (d) the mixed solution added with both Co(Ac)$_2$·4H$_2$O and 4 mol/L NH$_4$OH.

**Figure S2** (a) Packing diagram of Co(bim)(OAc) along the [100] axis highlighting the 2D sheets formed by Co(bim)$_{2/2}$ chains and Co(OAc)$_{2/2}$ chains connected by Co$^{2+}$ tetrahedra; (b) The chemical diagram of Co(bim)(OAc).