

**Electronic Supplementary Information (ESI) for
CrystEngComm**

**Syntheses, crystal structures, and properties of five
mixed-ligand coordination polymers based on novel
quaterphenyl-2,5,2',5'-tetracarboxylic acid ligand**

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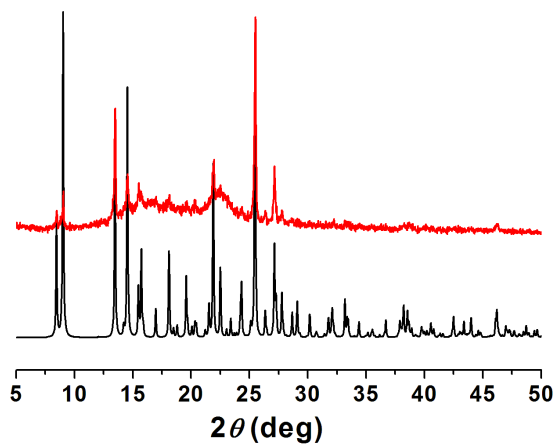
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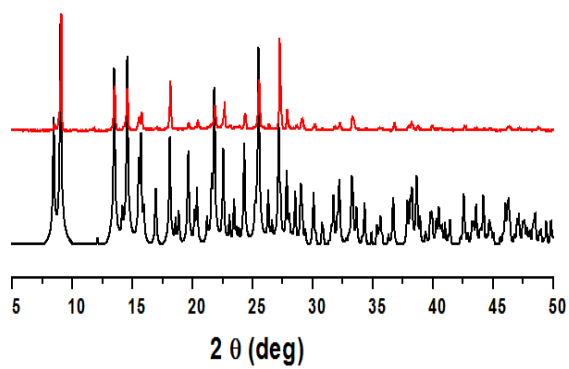
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252059, China.*

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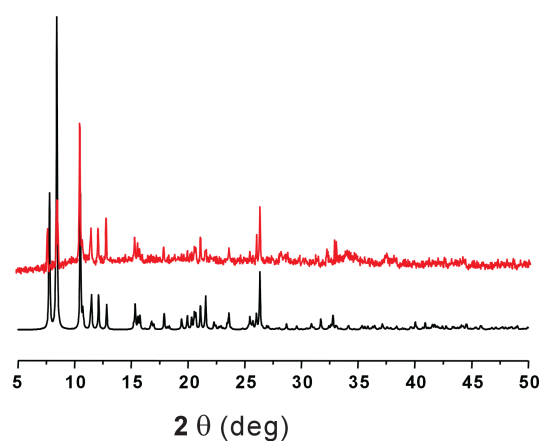
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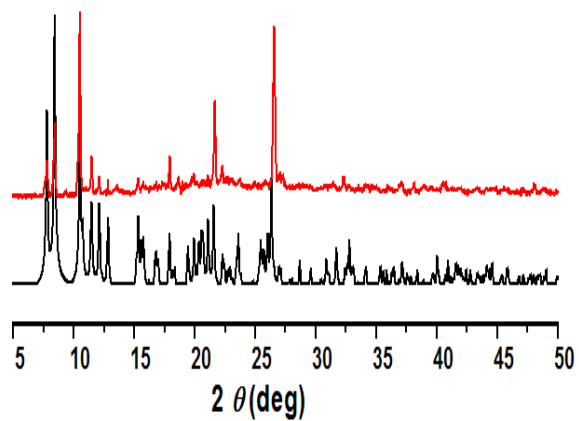
(a)



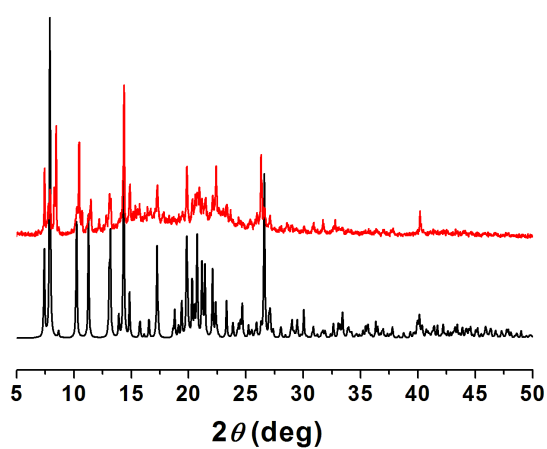
(b)



(c)

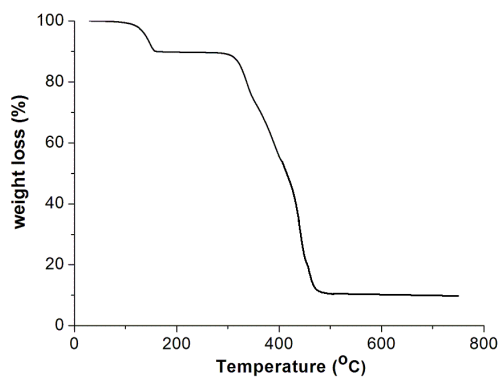


(d)

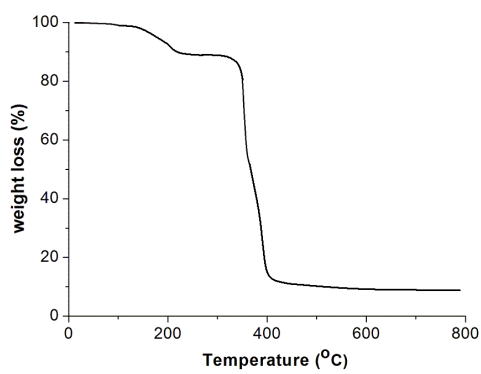


(e)

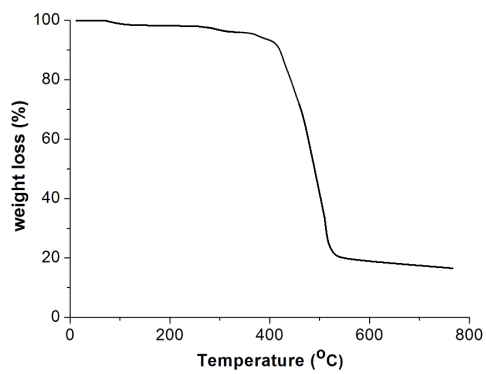
Figure S1. PXRD patterns of (a) **1**, (b) **2**, (c) **3**, (d) **4**, and (e) **5**. Black: calculated from the X-ray single-crystal data; Red: observed for the as-synthesized solids.



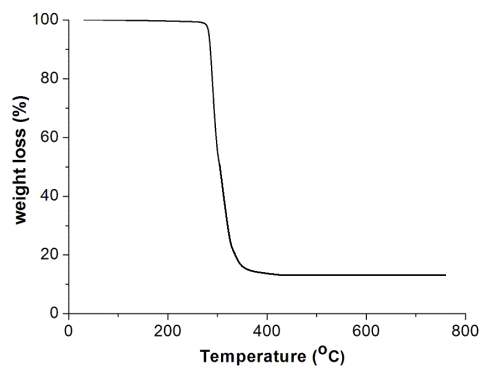
(a)



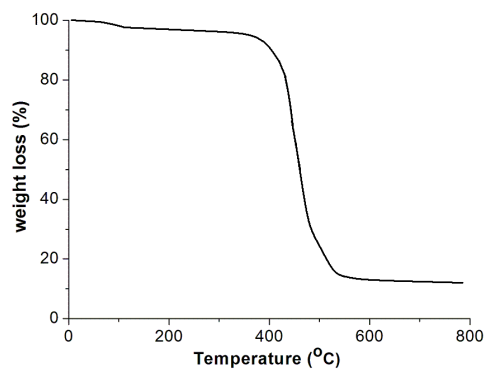
(b)



(c)



(d)



(e)

Figure S2. Thermogravimetric analysis (TGA) plots of (a) **1**, (b) **2**, (c) **3**, (d) **4**, and (e) **5**.