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## **Supporting Information**

A series of d<sup>10</sup> coordination polymers constructed with a rigid tripodal imidazole ligand and varied polycarboxylates: syntheses, structures and luminescent properties

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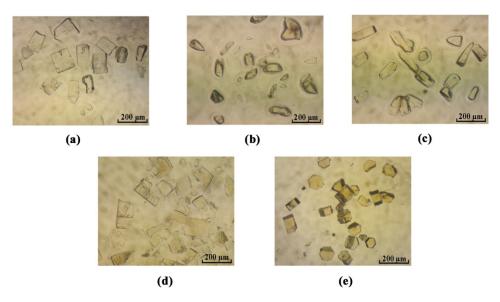


Figure S1 Photographic images of compound 1 (a), 2 (b), 3 (c), 4 (d), 5 (e).

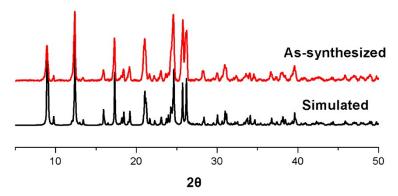


Figure S2 PXRD patterns of simulated from the single-crystal data of compound 1 (black); assynthesized (red).

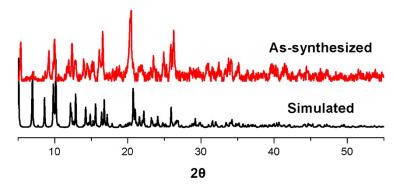


Figure S3 PXRD patterns of simulated from the single-crystal data of compound 2 (black); assynthesized (red).

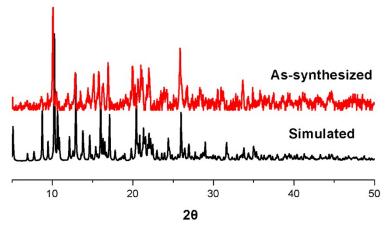
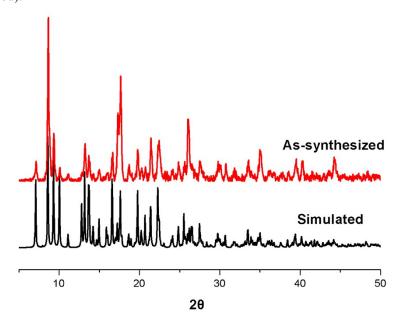


Figure S4 PXRD patterns of simulated from the single-crystal data of compound 3 (black); assynthesized (red).



**Figure S5** PXRD patterns of simulated from the single-crystal data of compound **4** (black); assynthesized (red).

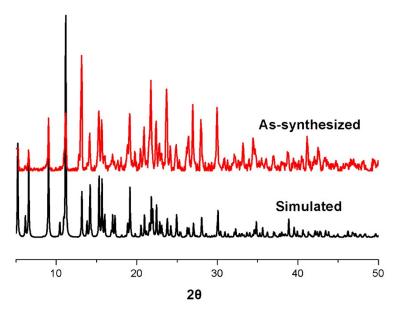


Figure S6 PXRD patterns of simulated from the single-crystal data of compound 5 (black); assynthesized (red).

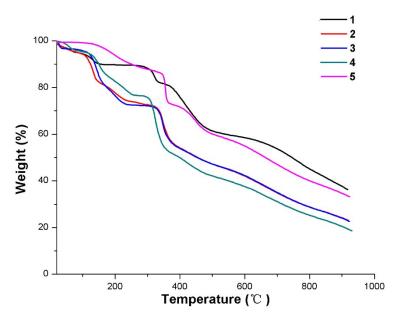


Figure S7 TGA curves for compounds 1-5.