



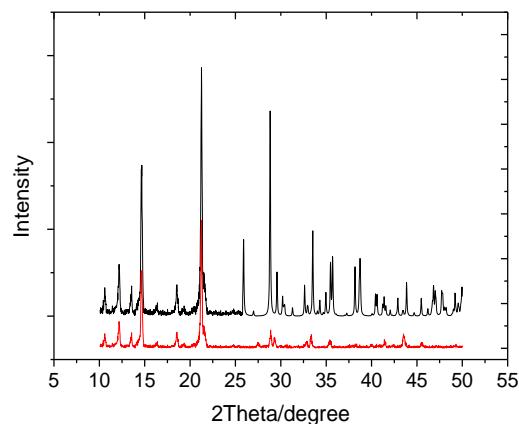
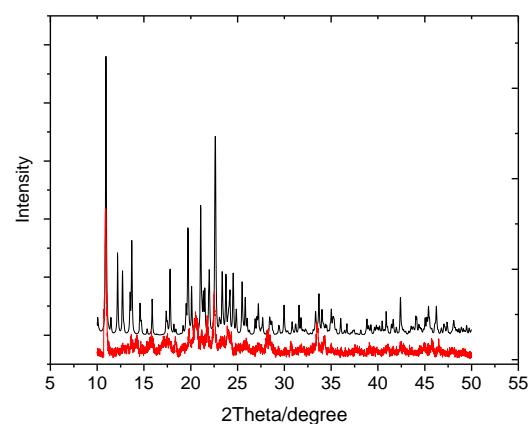
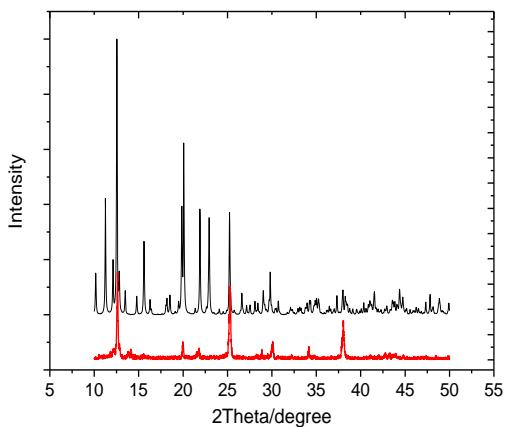
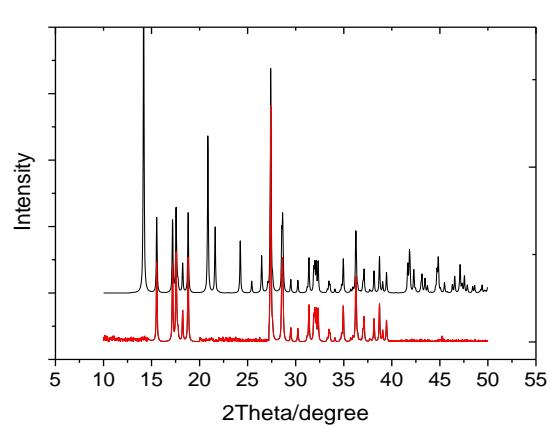
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Supporting information for article:

Crystal structure and luminescent properties of novel metal–organic frameworks constructed with bifurandicarboxylic acid

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S1. Simulated and experimental powder XRDa) crystal **1**b) crystal **2**c) crystal **3**d) crystal **4****Figure S1** Simulated (top) and experimental (bottom) powder XPD for crystal **1** (a), **2** (b), **3** (c), and **4** (d).

S2. GA profiles

Thermogravimetric analysis (TGA) was performed under a nitrogen atmosphere with a heating rate of 10 °C/min by using a STA-449F3 thermogravimetric analyzer (Netzsch, Germany).

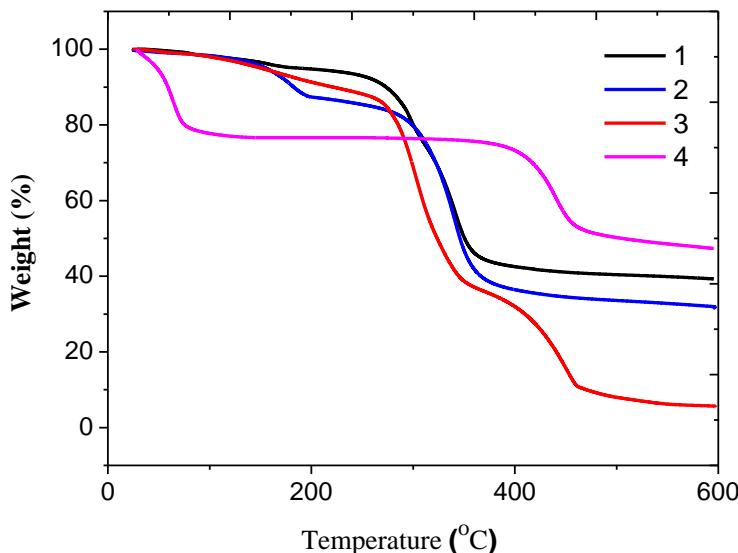


Figure S2 TGA profiles of complexes **1-4**

S3. Crystal data

Selected bond lengths (Å) and bond angles (°) for complex **1**

Zn1—O1 1.9437(11) Zn1—O9 1.9827(11)

O1—Zn1—O1 119.78(6) O1—Zn1—O9 102.01(4)
O1—Zn1—O9 113.04(5) O9—Zn1—O9 106.64(7)

Selected bond lengths (Å) and bond angles (°) for complex **2**

Zn1—O5 1.9799(13)	Zn1—O7 1.9860(12)
Zn1—O9 2.0206(14)	Zn1—O6 2.1226(14)
Zn1—O8 2.1398(12)	Zn1—C11 2.4430(18)
O1—C21 1.264(2)	O7—C5 1.261(2)
O8—C11 1.263(2)	O2—C5 1.252(2)
O3—C22 1.250(2)	O4—C1 1.274(2)
C2—O14 1.379(2)	C5—C6 1.467(2)
C6—C7 1.355(2)	C6—O11 1.376(2)
C4—C3 1.357(3)	C4—O14 1.372(2)

O5—Zn1—O7	89.93(5)	O5—Zn1—O9	94.44(6)
O7—Zn1—O9	97.11(6)	O5—Zn1—O6	101.62(6)
O7—Zn1—O6	102.45(5)	O9—Zn1—O6	154.57(5)
O5—Zn1—O8	135.93(5)	O7—Zn1—O8	132.12(5)
O9—Zn1—O8	92.67(5)	O6—Zn1—O8	62.12(5)
O5—Zn1—C11	122.97(6)	O7—Zn1—C11	120.58(6)
O9—Zn1—C11	123.75(6)	O6—Zn—C11	31.02(6)
O8—Zn1—C11	31.11(6)	O14—C2—C1	117.19(16)
O2—C5—O7	123.19(16)	O2—C5—C6	122.06(15)
O7—C5—C6	114.75(15)	C7—C6—O11	110.71(15)
C7—C6—C5	131.75(16)	O11—C6—C5	117.53(15)
C3—C4—O14	110.80(16)	C3—C4—C26	131.49(17)

Selected bond lengths (Å) and bond angles (°) for complex **3**

Cd1—O6	2.2815(10)	Cd1—O5	2.2880(10)
Cd1—O2	2.3263(10)	Cd1—O4	2.3592(10)
Cd1—O7	2.3594(10)	Cd1—O3	2.3835(10)
Cd1—O1	2.5607(10)		
O6—Cd1—O5	92.16(4)	O6—Cd1—O2	119.84(4)
O5—Cd1—O2	110.18(4)	O6—Cd1—O4	144.97(4)
O5—Cd1—O4	95.97(4)	O2—Cd1—O4	89.01(3)
O6—Cd1—O7	81.44(4)	O5—Cd1—O7	170.85(4)
O2—Cd1—O7	78.79(4)	O4—Cd1—O7	85.76(4)
O6—Cd1—O3	90.63(4)	O5—Cd1—O3	87.33(4)
O2—Cd1—O3	142.93(3)	O4—Cd1—O3	55.95(3)
O7—Cd1—O3	86.21(4)	O6—Cd1—O1	75.44(3)
O5—Cd1—O1	84.10(3)	O2—Cd1—O1	53.78(3)
O4—Cd1—O1	139.23(3)	O7—Cd1—O1	100.48(4)

Selected bond lengths (Å) and bond angles (°) for complex **4**

Co1—O2	2.0812(16)	Co1—O4	2.1130(16)
Co1—O30	2.1200(16)		
O2—Co1—O2	180.0	O2—Co1—O4	92.55(6)
O2—Co1—O4	87.45(6)	O4—Co1—O4	180.0

O2—Co1—O30 86.98(6)	O2—Co1—O30 93.02(6)
O4—Co1—O30 93.29(6)	O4—Co1—O30 86.71(6)
O2—Co1—O30 93.02(6)	O4—Co1—O30 93.29(6)
O30—Co1—O30 180.000(1)	