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Supporting information for article:

Synthesis, crystal structures and magnetic and electrochemiluminescence properties of three manganese(II) complexes

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Table S1 Selected bond lengths (Å) and angles (°) for **1** and **2**

Complexes	**1**	**2**
Mn1—O1	2.092(4)	2.092(3)
Mn1—N3	2.228(4)	2.240(3)
Mn1—O3	2.057(4)	2.038(3)
Mn1—N1	2.237(5)	2.257(3)
Mn1—O6	2.062(4)	2.107(3)
Mn2—O1	2.176(3)	2.178(3)
Mn2—O2	2.329(4)	2.344(3)
Mn2—O4	2.175(5)	2.178(3)
Mn2—O7	2.204(4)	2.166(4)
Mn2—O5	2.113(4)	2.143(3)
Mn2—O8	2.090(4)	2.066(3)
O1—Mn1—N3	81.17(15)	80.59(12)
O1—Mn1—N1	152.55(16)	152.63(12)
N3—Mn1—N1	72.53(16)	72.62(13)
O3—Mn1—O1	98.28(17)	95.53(12)
O3—Mn1—N3	120.10(18)	121.86(13)
O3—Mn1—N1	101.55(18)	103.18(12)
O3—Mn1—O6	112.33(17)	123.17(13)
O6—Mn1—O1	93.90(17)	95.88(12)
O6—Mn1—N3	127.53(17)	114.91(13)
O6—Mn1—N1	95.90(18)	90.46(12)
O1—Mn2—O2	70.91(13)	70.54(11)
O1—Mn2—O7	85.87(14)	88.41(12)
O4—Mn2—O1	85.97(16)	84.09(12)
O4—Mn2—O2	96.41(17)	97.38(13)

O4—Mn2—O7	171.81(16)	172.44(12)
O7—Mn2—O2	80.26(15)	79.24(13)
O5—Mn2—O1	106.11(15)	97.57(13)
O5—Mn2—O2	172.22(17)	164.61(13)
O5—Mn2—O4	90.48(19)	90.86(15)
O5—Mn2—O7	92.44(17)	90.97(15)
O8—Mn2—O1	153.54(16)	154.16(13)
O8—Mn2—O2	83.83(15)	86.19(13)
O8—Mn2—O4	89.22(17)	88.06(13)
O8—Mn2—O7	97.80(16)	98.40(13)
O8—Mn2—O5	99.93(16)	107.14(14)
Mn1—O1—Mn2	103.16(15)	103.97(12)

Table S2 Selected bond lengths (Å) and angles (°) for **3**

Mn1−O2	2.221(6)	Mn1−O1	2.350(7)
Mn1−O3	2.128(8)	Mn1−O7	2.176(6)
Mn1−O8i	2.100(6)	Mn1−O9	2.187(6)
Mn2−O2	2.119(6)	Mn2−O5	2.237(6)
Mn2−N3	2.248(7)	Mn2−O4	2.081(7)
Mn2−N1	2.286(8)	Mn2−O6	2.377(7)
O2−Mn1−O1	69.3(2)	O3−Mn1−O2	103.4(3)
O3−Mn1−O1	172.1(3)	O3−Mn1−O7	92.6(3)
O3−Mn1−O9	95.3(3)	O7−Mn1−O2	92.4(2)
O7−Mn1−O1	85.0(2)	O7−Mn1−O9	172.0(3)
O8i−Mn1−O2	157.8(3)	O8i−Mn1−O1	88.6(3)
O8i−Mn1−O3	98.7(3)	O8i−Mn1−O7	84.6(2)
O8i−Mn1−O9	92.4(2)	O9−Mn1−O2	87.5(2)
O9−Mn1−O1	87.5(3)	O2−Mn2−O5	93.8(2)
O2−Mn2−N3	81.5(2)	O2−Mn2−N1	152.7(3)

O2−Mn2−O6	106.4(2)	O5−Mn2−N3	140.1(2)
O5−Mn2−N1	111.6(3)	O5−Mn2−O6	55.9(2)
N3−Mn2−N1	72.6(3)	N3−Mn2−O6	87.3(2)
O4−Mn2−O2	95.8(3)	O4−Mn2−O5	102.5(3)
O4−Mn2−N3	117.4(3)	O4−Mn2−N1	88.7(3)
O4−Mn2−O6	149.2(3)	N1−Mn2−O6	81.3(2)
Mn2−O2−Mn1	111.8(3)	N2−N3−Mn2	114.1(5)

Symmetry codes: (i) x, −y+1/2, z+1/2.

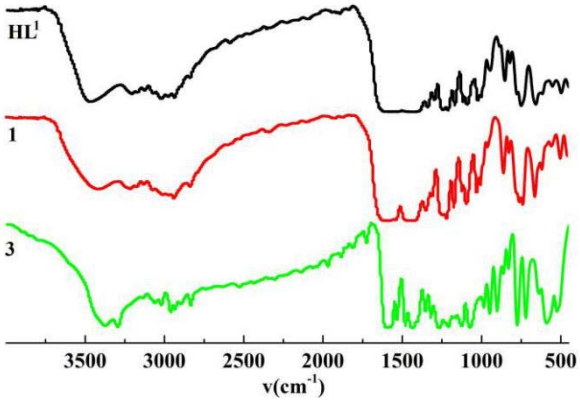


Figure S1. IR of **1**, **3**, and HL^1.

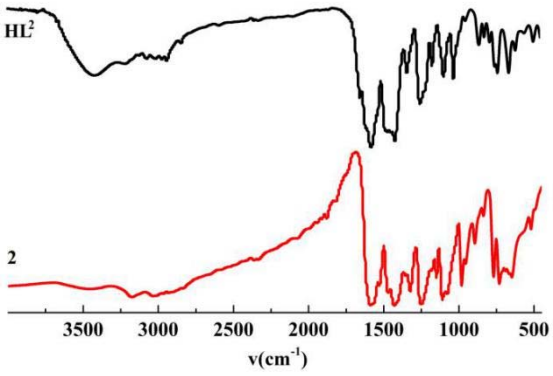


Figure S2. IR of **2** and HL^2.

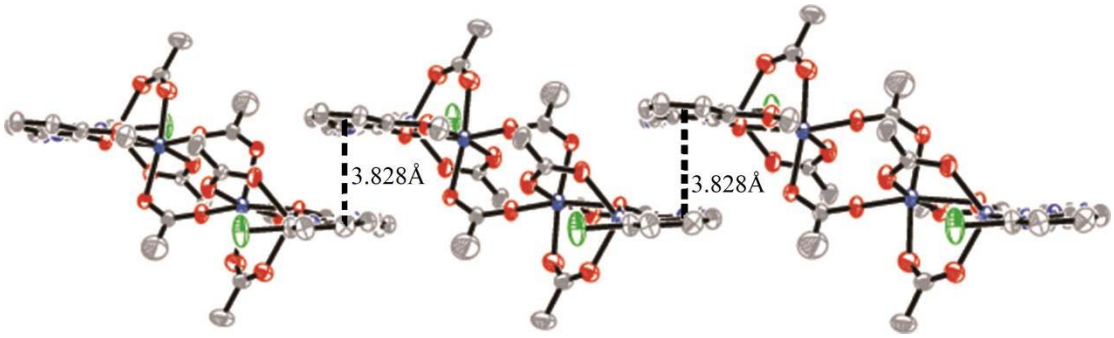


Fig. S3 1D chain thorugh π···π interaction of **1.**

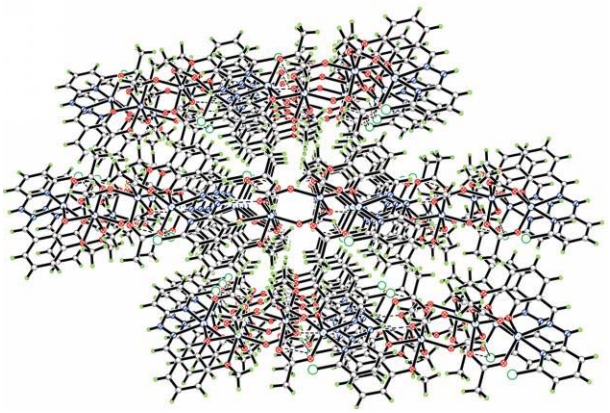


Fig. S4 2-D supramolecular network of **1**.

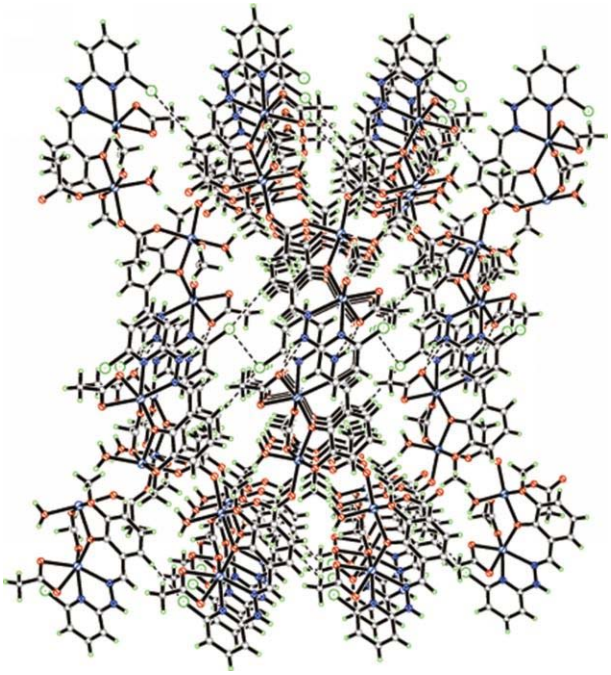
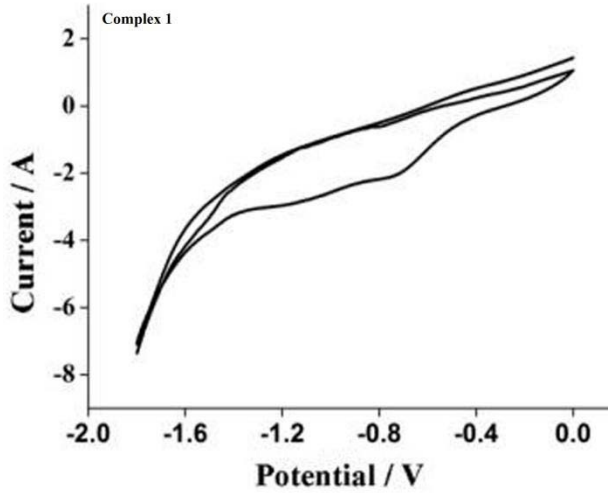


Fig. S5 3D supramolecular network of **3**.



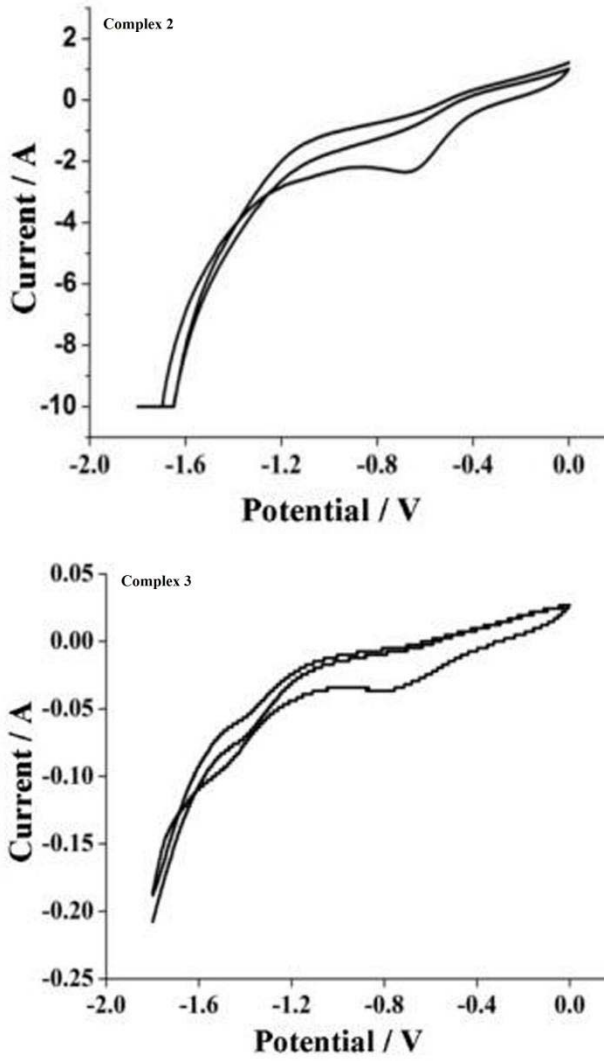


Fig. S6 Cyclic voltammogram of **1**-**3**.