

Organic molecules induced crystal transformation from a two dimensional coordination polymer to chain-like structures

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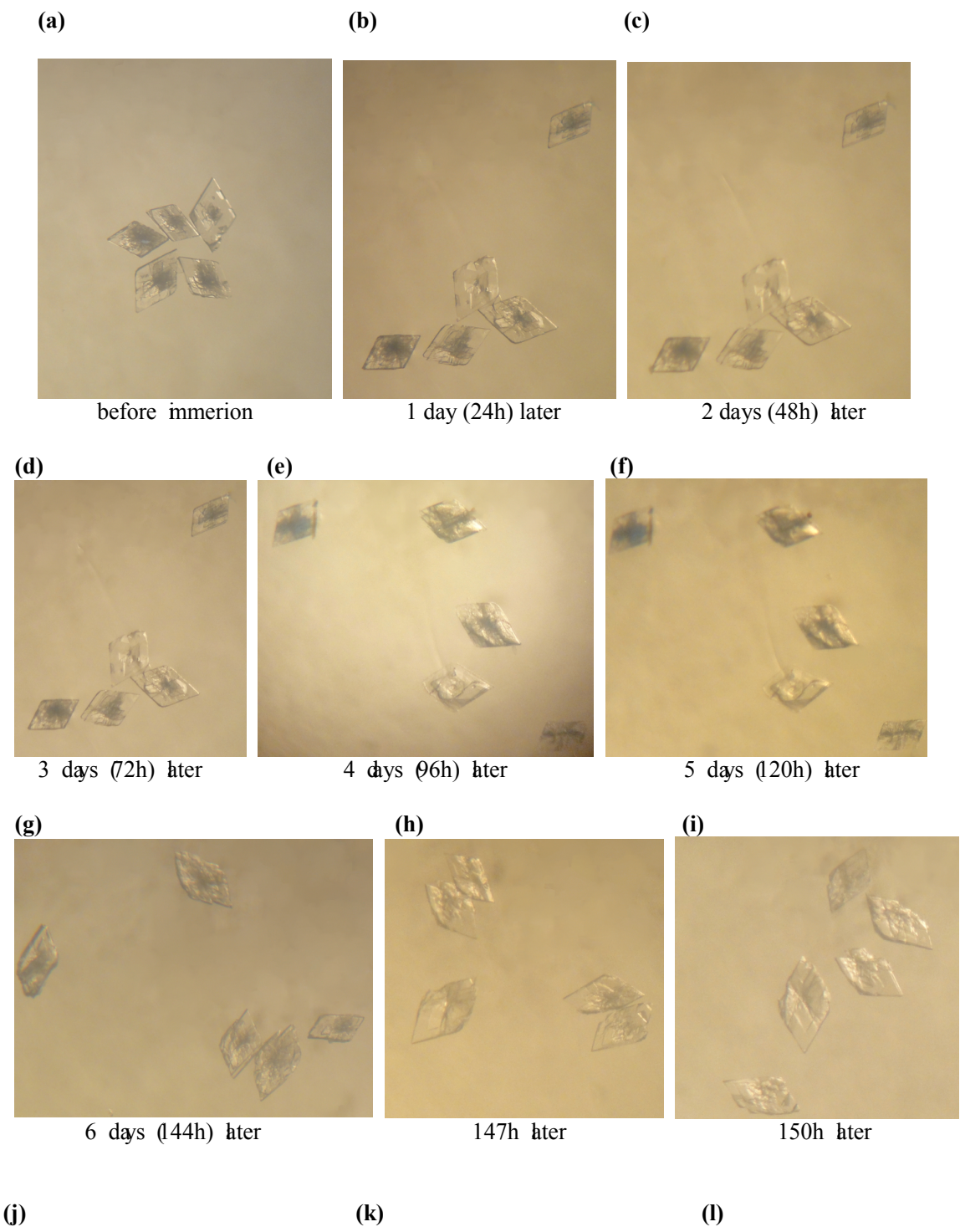
Table S1 Selected bond lengths (Å) and angles (°) for complexes **1-3**

<i>Complex 1</i>			
Mn(1)-O(3)	2.1283(2)	Mn(1)-O(4) #1	2.1485(2)
Mn(1)-O(5) #2	2.1628(2)	Mn(1)-O(2)	2.2007(2)
Mn(1)-O(6)	2.2105(2)	Mn(1)-O(1)	2.3071(2)
C(2)-C(1)	1.573(3)	C(6)-C(5)	1.330(3)
C(6)-C(3)	1.514(3)	C(4)-C(5)	1.518(3)
C(4)-C(1)	1.555(3)	C(3)-C(2)	1.560(3)
O(2)-Mn(1)-O(6)	80.45(6)	O(5)#2-Mn(1)-O(1)	90.67(5)
O(3)-Mn(1)-O(1)	172.98(6)	O(4)#1-Mn(1)-O(6)	160.28(6)
<i>Complex 2</i>			
Mn(1)-O(5) #3	2.146(2)	Mn(1)-O(6)	2.162(3)
Mn(1)-O(7)	2.168(3)	Mn(1)-O(3)	2.183(3)
Mn(1)-O(4)	2.187(3)	Mn(1)-O(1)	2.303(3)

C(6)-C(5)	1.330(8)	C(6)-C(3)	1.528(6)
C(4)-C(5)	1.498(6)	C(4)-C(1)	1.551(5)
C(3)-C(2)	1.552(6)	C(1)-C(2)	1.571(5)
O(4)-Mn(1)-O(1)	81.11(1)	O(6)-Mn(1)-O(4)	171.22(1)
O(5)#3-Mn(1)-O(3)	90.82(1)	O(5)#3-Mn(1)-O(7)	103.28(1)
Complex 3			
Mn(1)-O(4) #4	2.134(2)	Mn(1)-O(6)	2.143(2)
Mn(1)-O(5)	2.152(2)	Mn(1)-O(7)	2.179(2)
Mn(1)-O(2)	2.193(2)	Mn(1)-O(1)	2.303(2)
C(6)-C(5)	1.314(5)	C(6)-C(3)	1.493(4)
C(1)-C(4)	1.550(4)	C(1)-C(2)	1.571(5)
C(3)-C(2)	1.553(4)	C(4)-C(5)	1.500(4)
O(2)-Mn(1)-O(1)	80.72(7)	O(6)-Mn(1)-O(5)	170.07(9)
O(4) #4-Mn(1)-O(7)	101.20(8)	O(4) #4-Mn(1)-O(1)	164.01(7)
O(6)-Mn(1)-O(2)	90.86(9)	O(5)-Mn(1)-O(7)	90.54(8)

Symmetry transformations used to generate equivalent atoms:

#1 $x, -y+5/2, z-1/2$ #2 $x, -y+3/2, z-1/2$ #3 $-x+1/2, y-1/2, -z+2$ #4 $-x-1/2, y+1/2, -z+1/2$



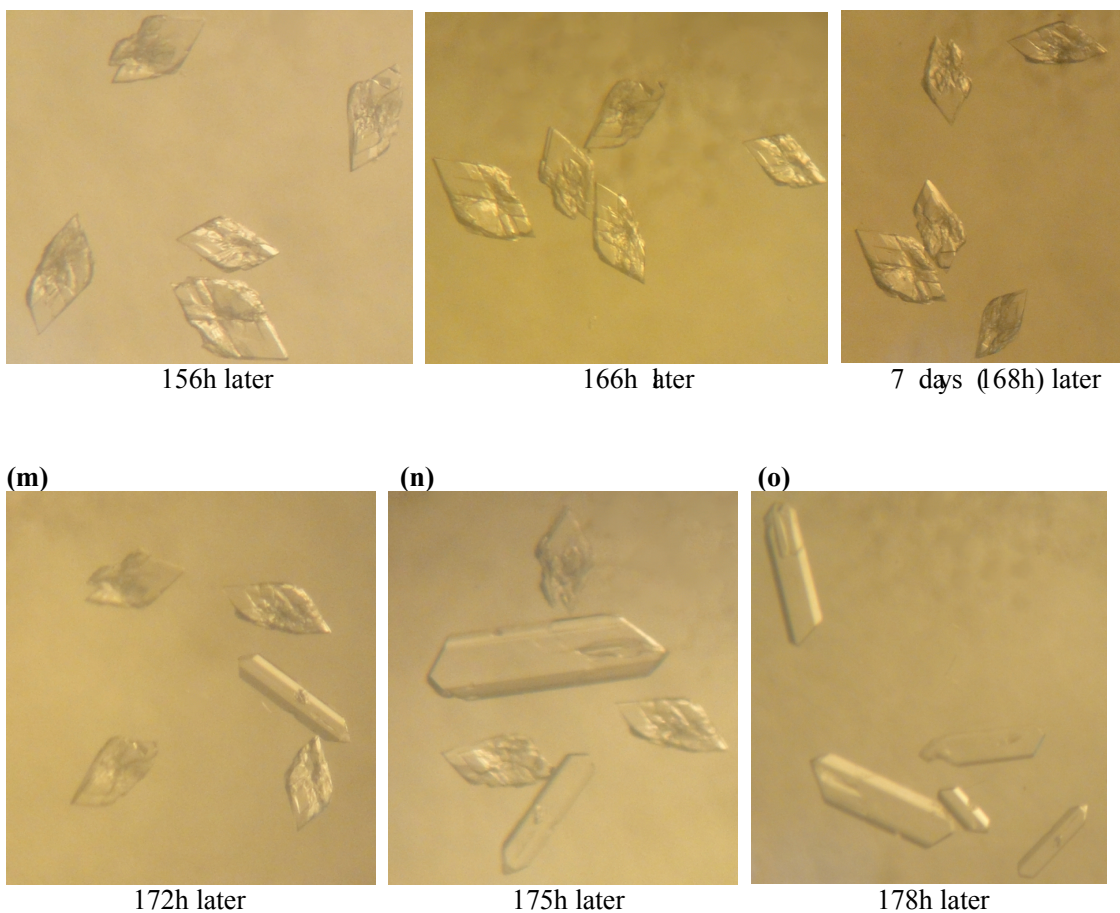


Fig. S1 The images of the five crystals of complex **1** immersed in the aqueous solution of phenol for different hours.

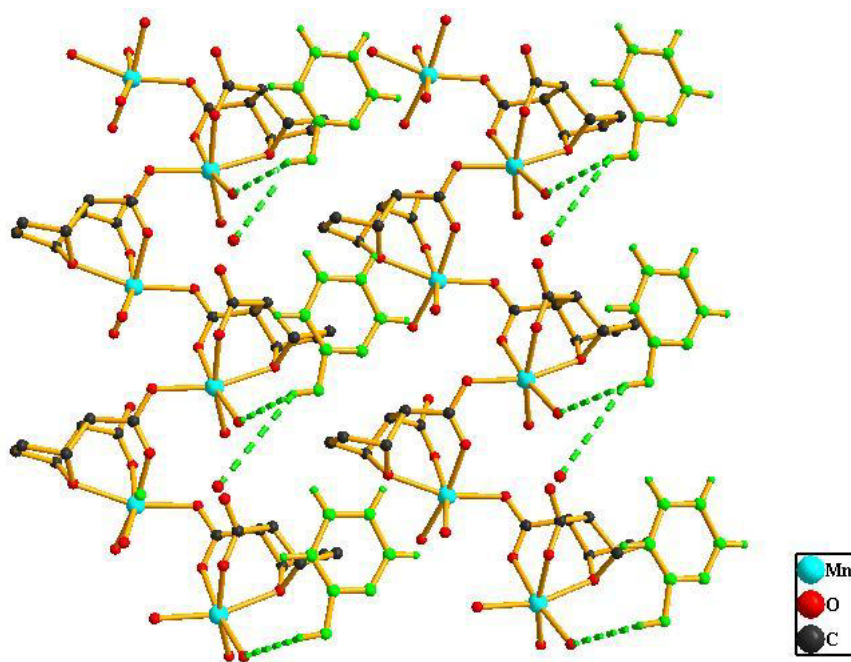


Fig.S2 3D supramolecular architecture in complex **2** with H bonds indicated by green dashed lines (phenol molecules are green and H atoms of **L** are omitted for clarity).

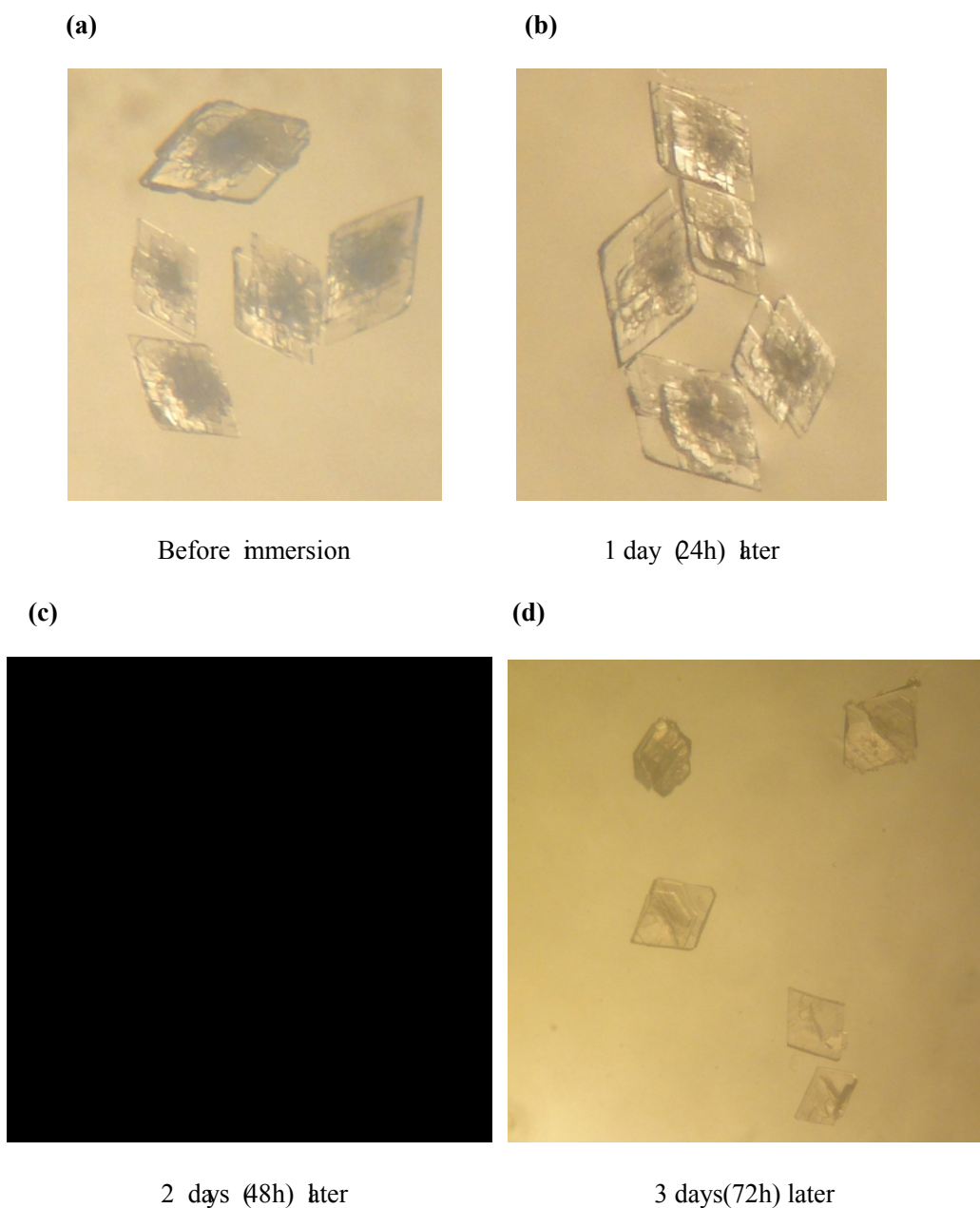


Fig. S3 The images of the five crystals of complex **1** immersed in the aqueous solution of hydroquinone for different hours.

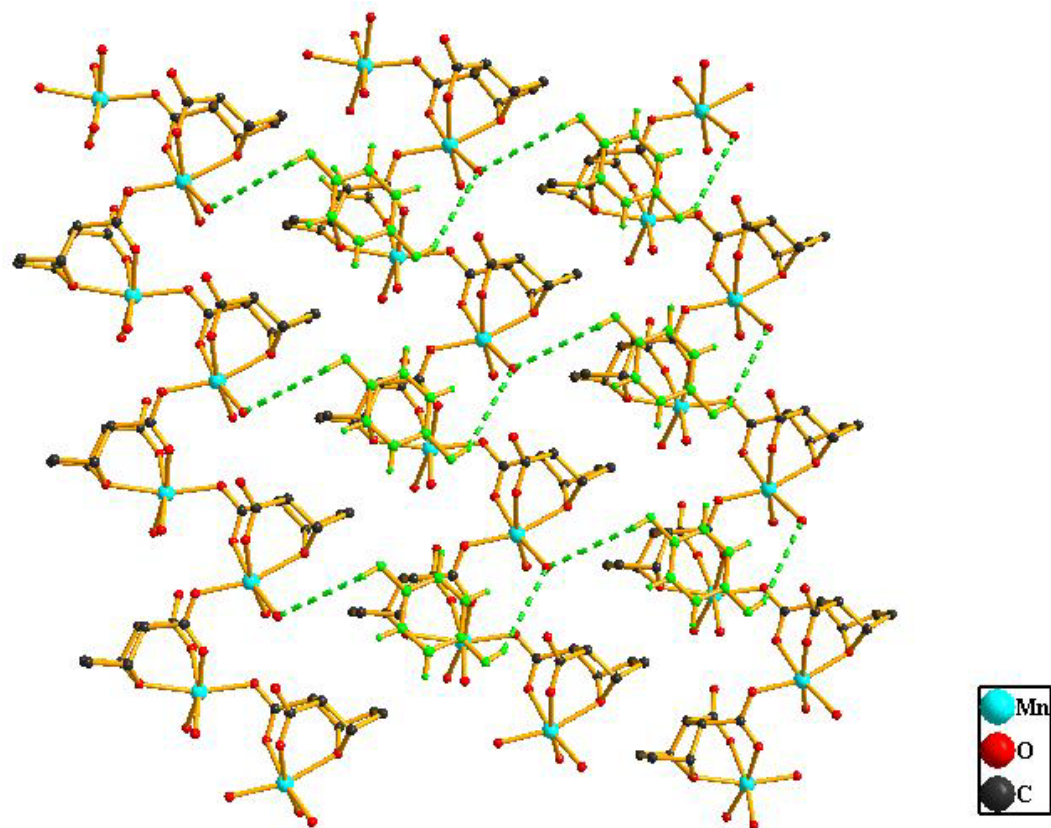
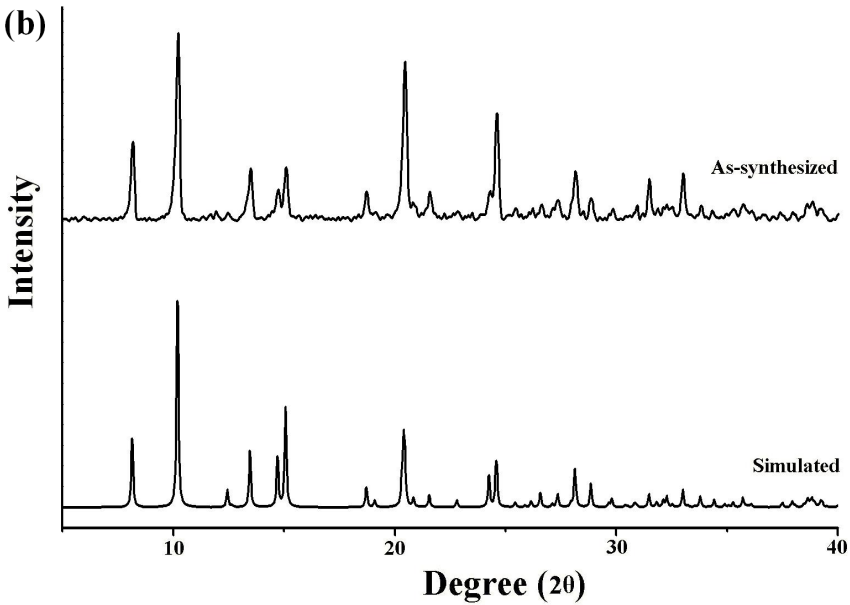
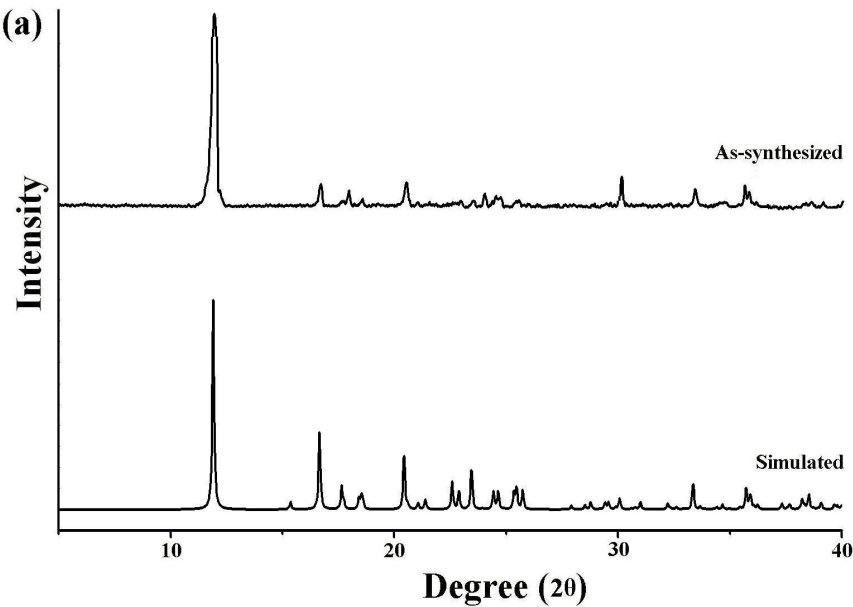


Fig.S4 3D supramolecular framework in complex **3** with H bonds indicated by green dashed lines (hydroquinone molecules are green and H atoms of **L** are omitted for clarity).



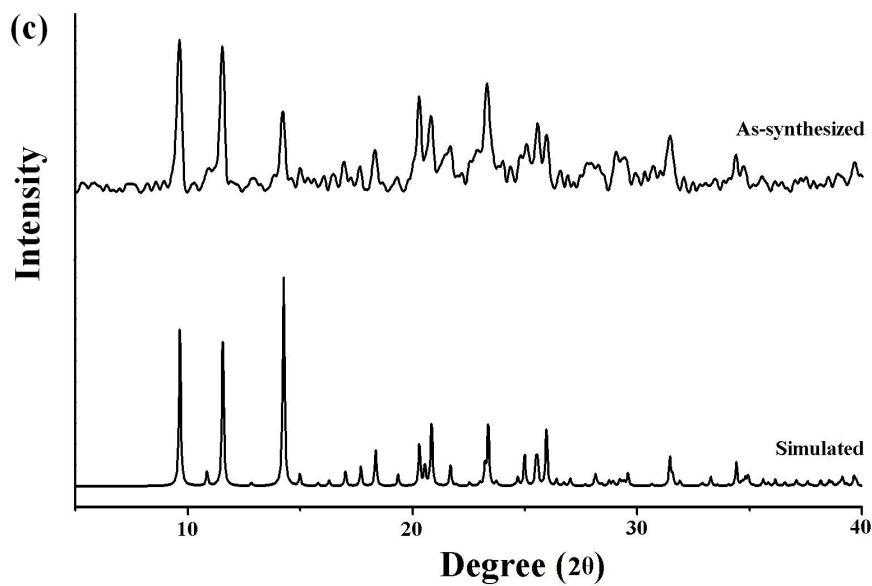
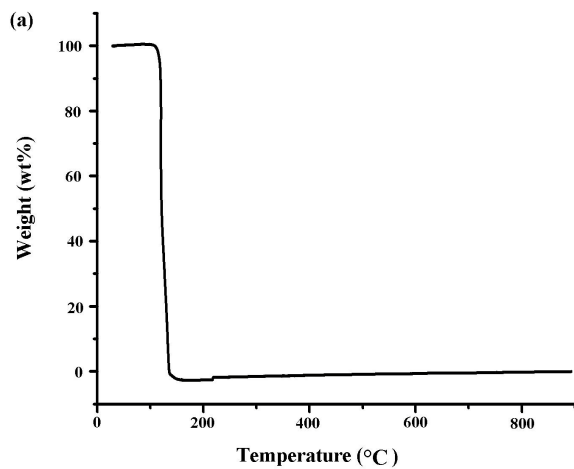


Fig.S5 The PXRD patterns of complexes **1** (a), **2** (b) and **3** (c).



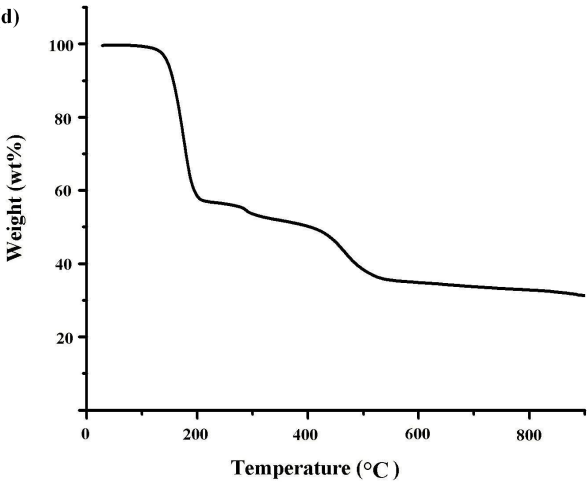
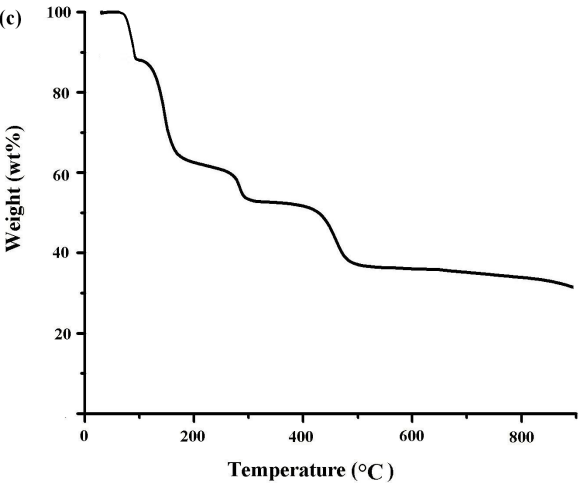
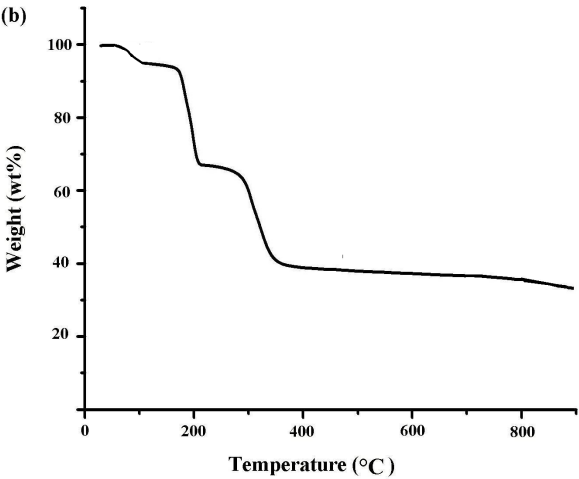


Fig.S6 Thermogravimetric curves of **L'** (a), complexes **1** (b), **2** (c) and **3** (d).

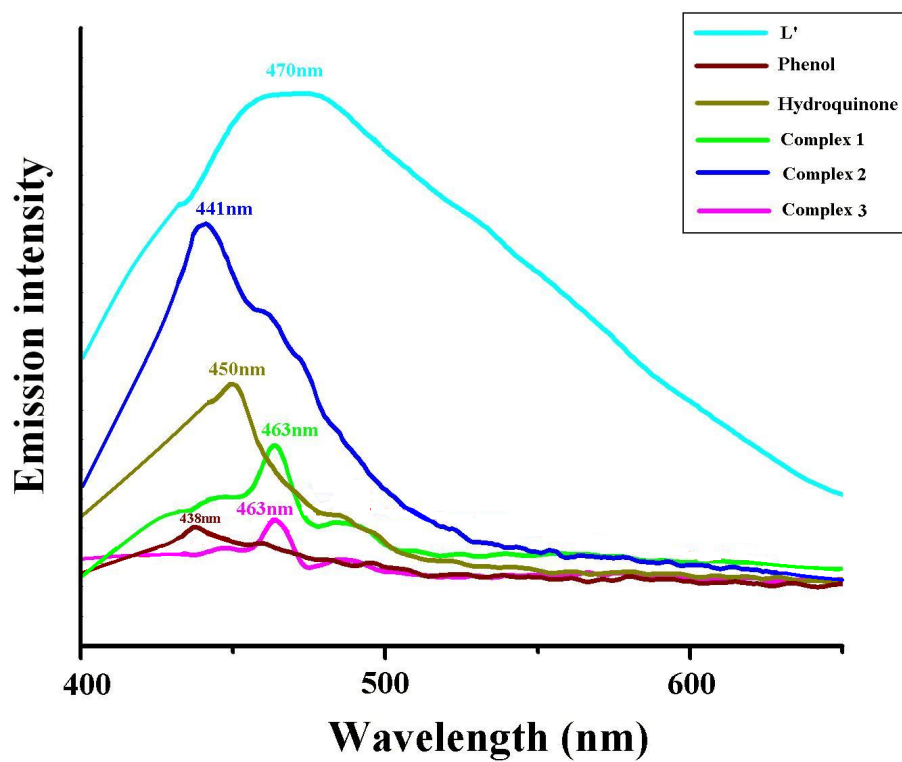


Fig. S7 Solid-state emission spectra at room temperature for the free **L'**, phenol, hydroquinone and complexes **1-3**.