Supporting Information

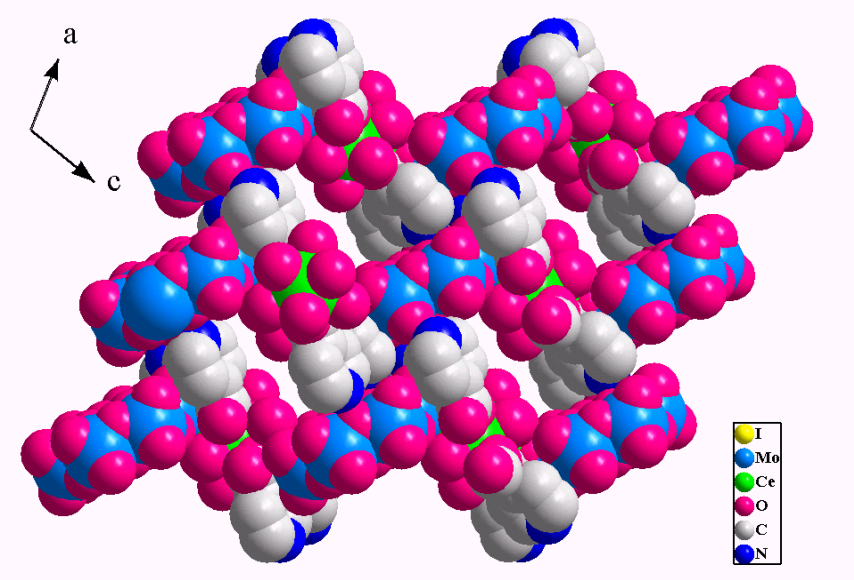


Figure S1

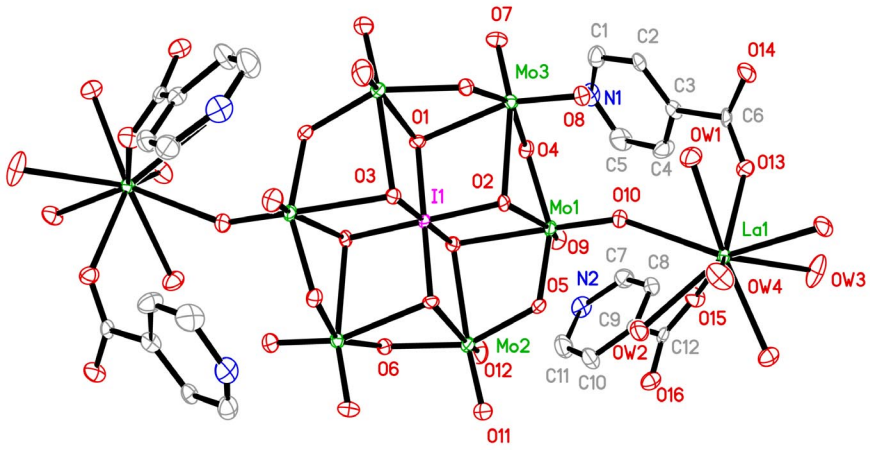

O7
C1
C2
O14
Mo3
N1
C3
O1
O8
C6
O4
OW1
C5
C4
O3
I1
O2
O13
Mo1
O10
La1
O9
C7
C8
O5
N2
OW4
OW3
O15
C9
O6
Mo2
O12
OW2
C12
C11
C10
O16
O11

Figure S2

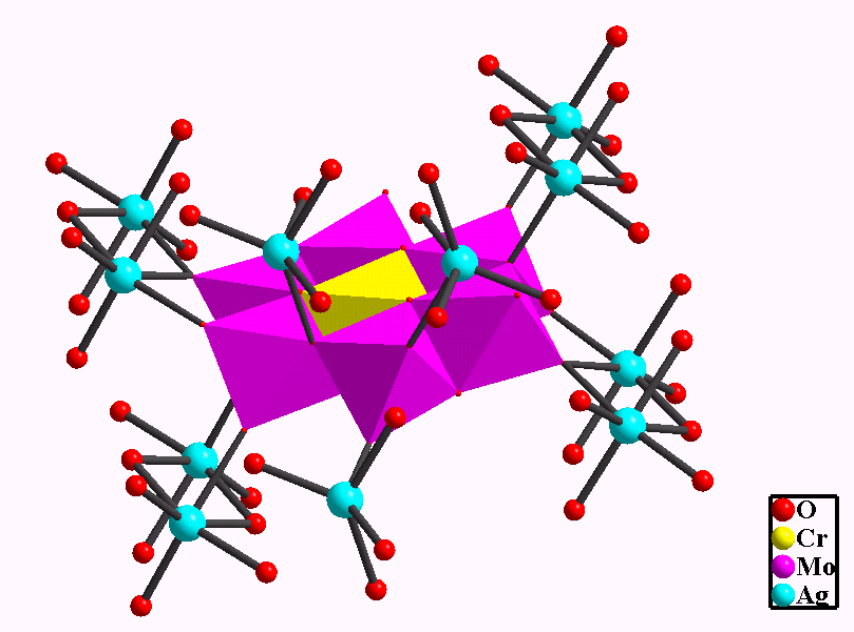


Figure S3

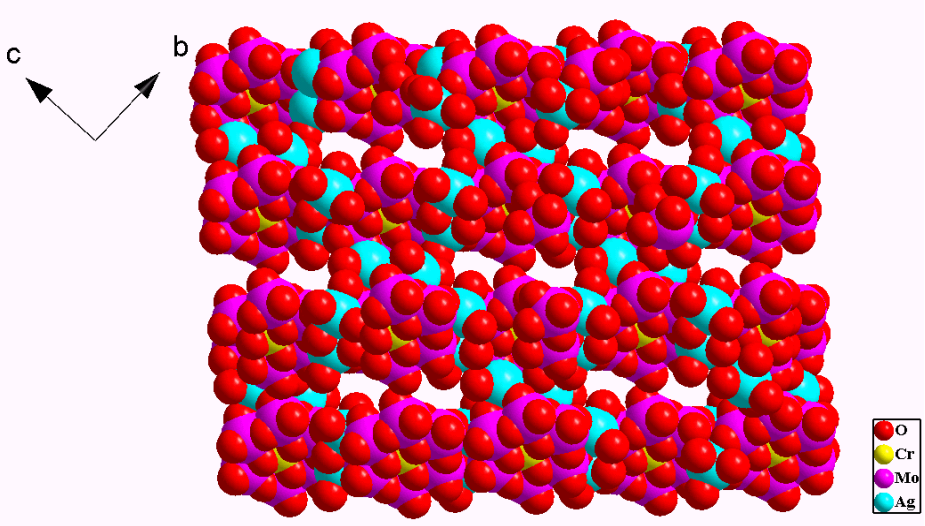
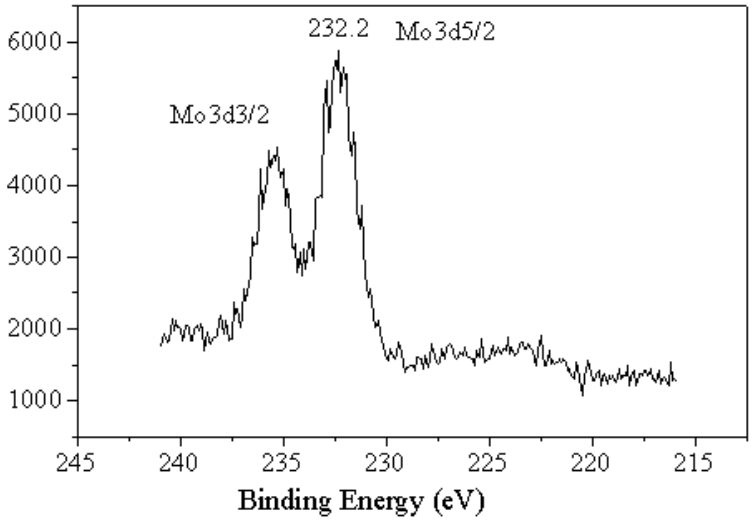
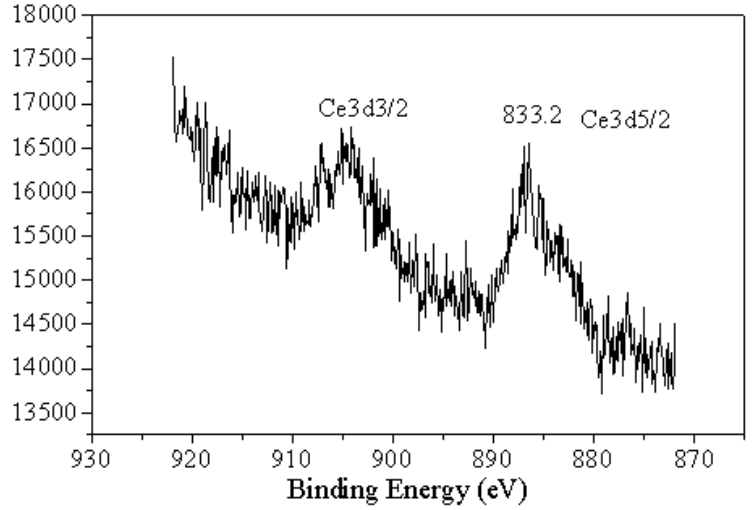


Figure S4


232.2
Mo3d5/2
Mo3d3/2
6000
5000
4000
3000
2000
1000
245
240
235
230
225
220
215
Binding Energy (eV)


Ce3d3/2
833.2
Ce3d5/2
18000
17500
17000
16500
16000
15500
15000
14500
14000
13500
930
920
910
900
890
880
870
Binding Energy (eV)

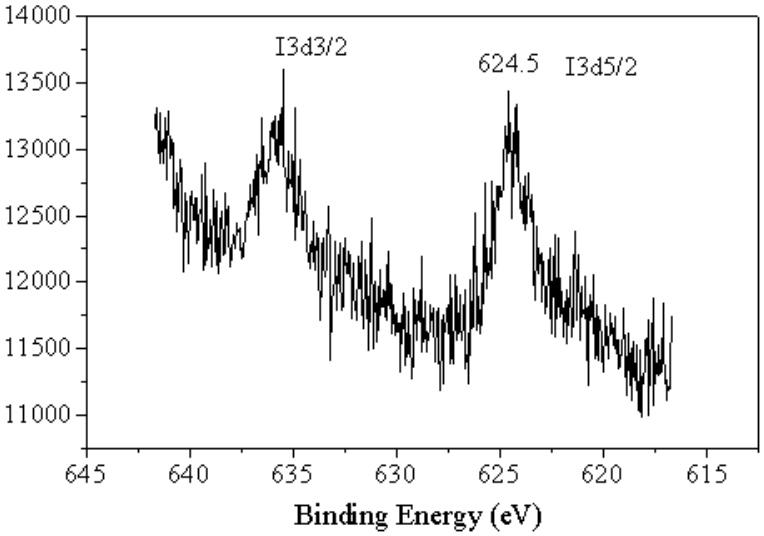

I3d3/2
624.5
I3d5/2
14000
13500
13000
12500
12000
11500
11000
645
640
635
630
625
620
615
Binding Energy (eV)

Figure S5a

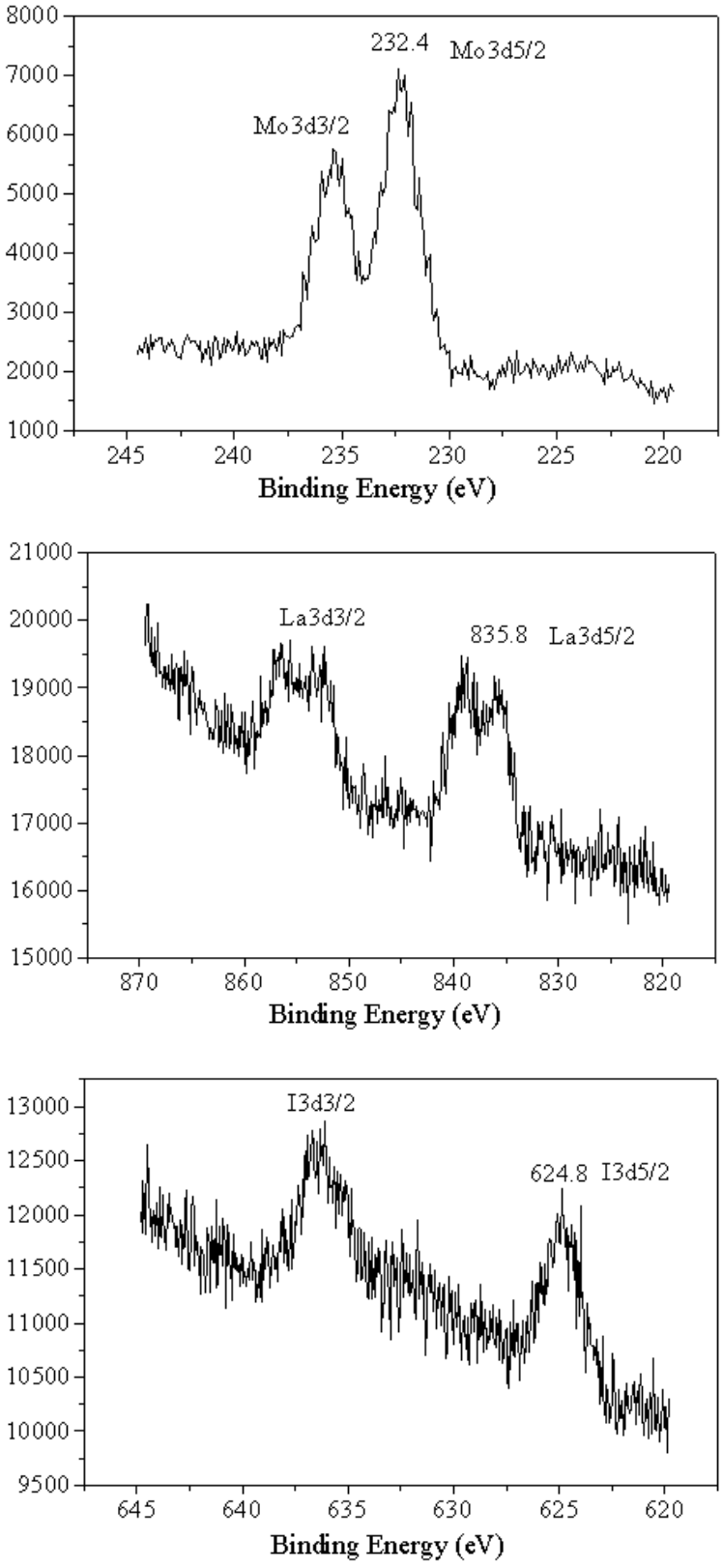
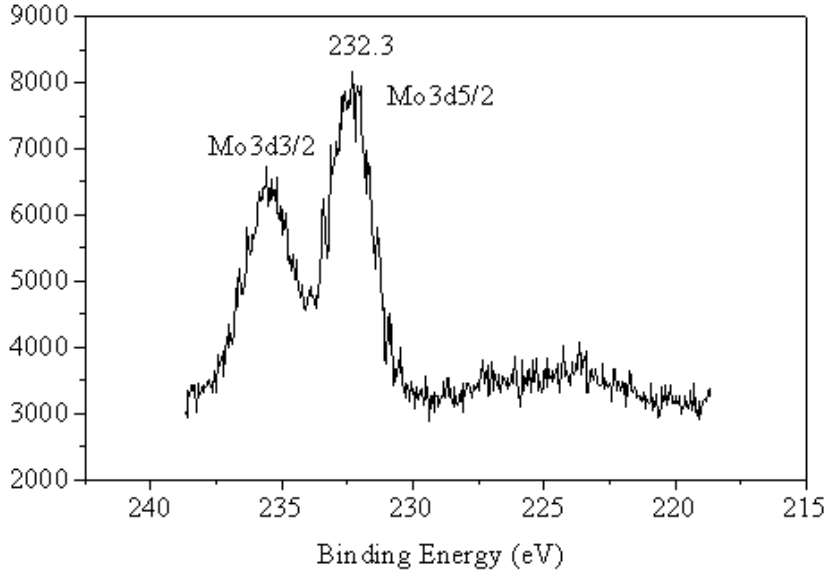

232.4 Mo3d5/2
Mo3d3/2
Binding Energy (eV)
La3d3/2
835.8 La3d5/2
Binding Energy (eV)
I3d3/2
624.8 I3d5/2
Binding Energy (eV)

Figure S5b


9000
8000
7000
6000
5000
4000
3000
2000
232.3
Mo3d5/2
Mo3d3/2
240
235
230
225
220
215
Binding Energy (eV)

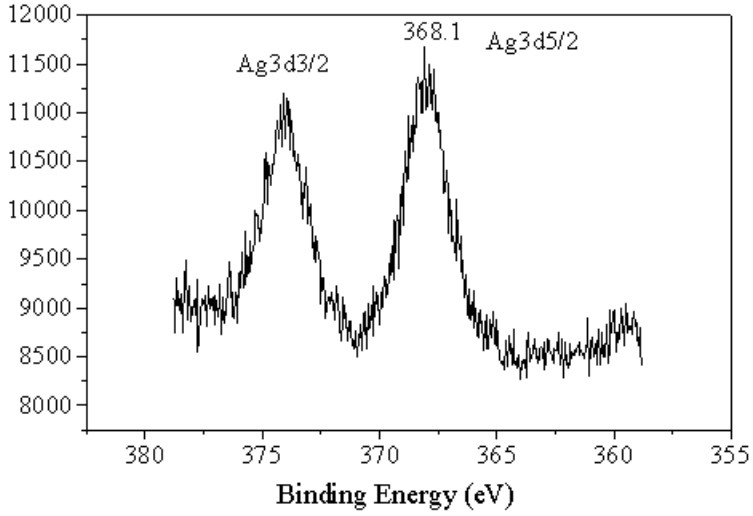

12000
11500
11000
10500
10000
9500
9000
8500
8000
368.1
Ag3d5/2
Ag3d3/2
380
375
370
365
360
355
Binding Energy (eV)

Figure S5c

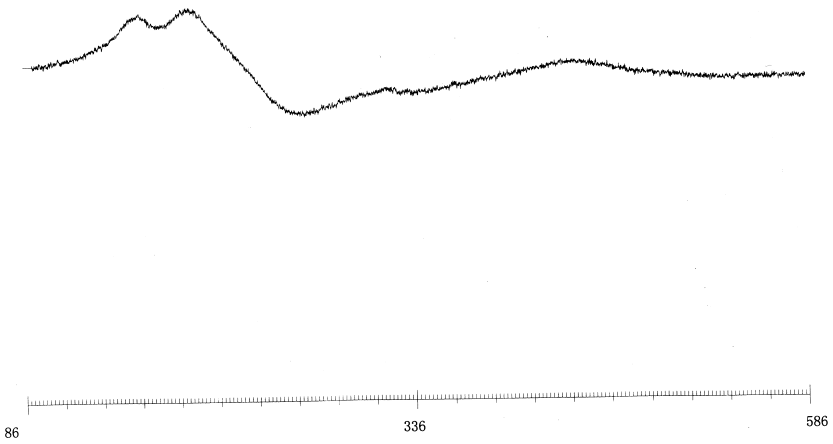


Figure S6

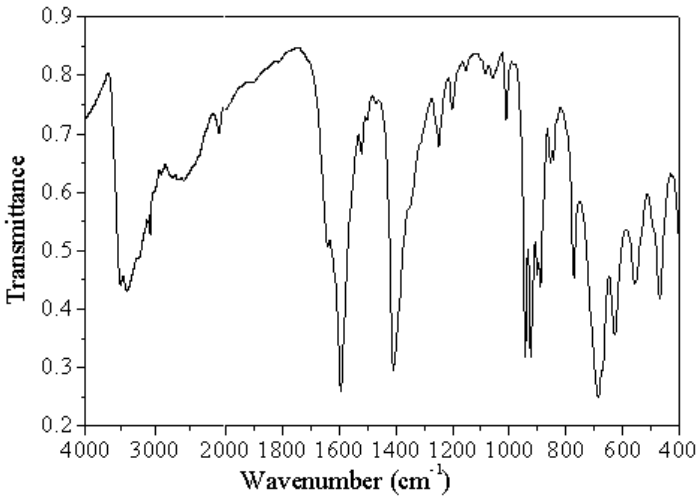


Figure S7a

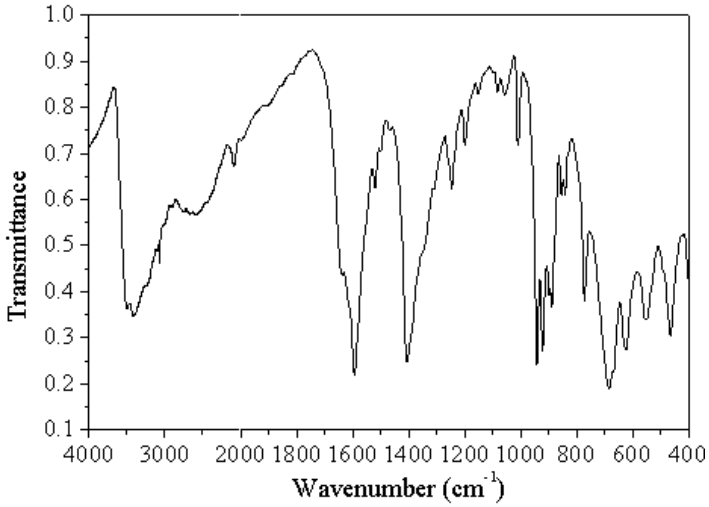


Figure S7b

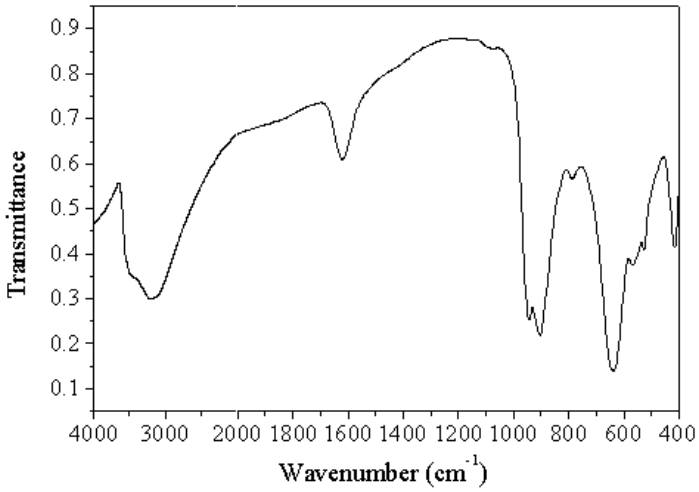


Figure S7c

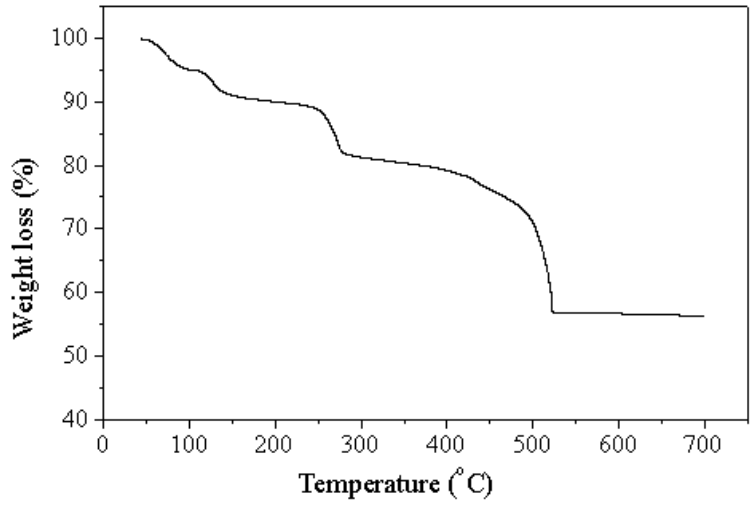


Figure S8a

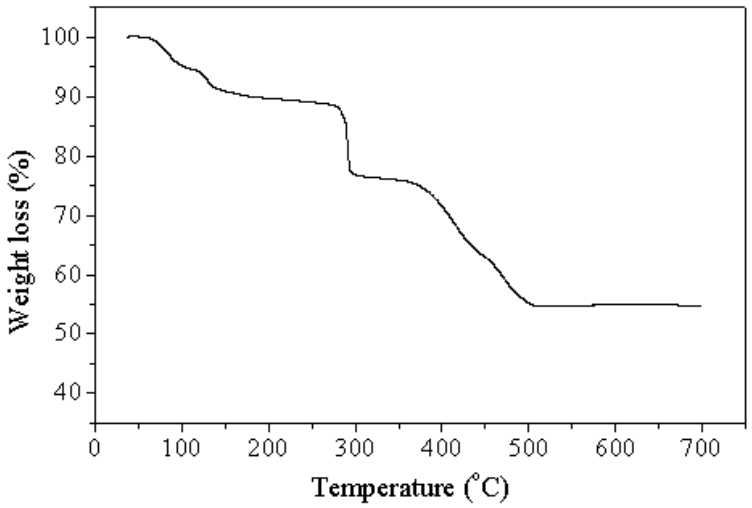


Figure S8b

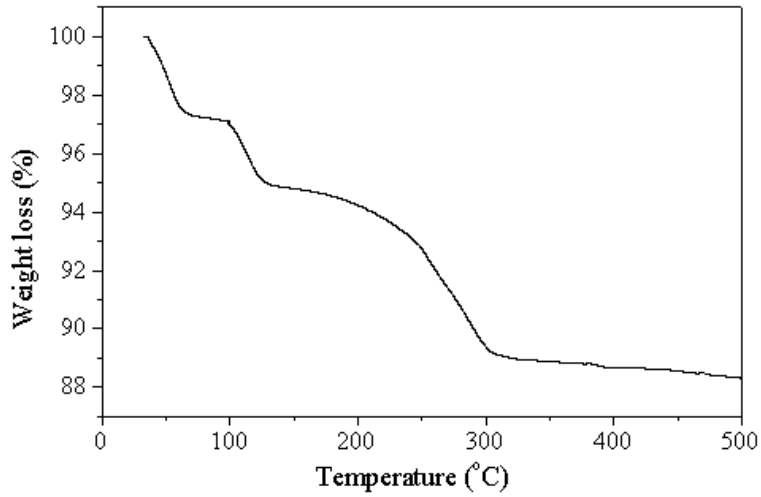


Figure S8c

Table S1. Relevant hydrogen-bonding distances in **1**.

A···B	Distance(Å)	A···B	Distance(Å)
N1···O6	2.660	O1···OW6A	2.805
N2···O5	2.664	O1···OW6B	2.802
O2···OW5	2.800	OW5···OW6A	2.709
		OW5···OW6B	2.703

Table S2. Relevant hydrogen-bonding distances in **2**.

A···B	Distance(Å)	A···B	Distance(Å)
N1···O4	2.669	OW4···OW5	2.749
N2···O6	2.648	OW5···OW6A	2.693
O2···OW6A	2.840	OW5···OW6B	2.718
O2···OW6B	2.765		