

Support Information

Extension of Basket-Liked $\{\text{Sr}\text{P}_6\text{Mo}_{18}\text{O}_{73}\}$ Cage from 0D Dimmer to 2D Network and Photo-/Electro-catalytic properties

He Zhang^{a,b}, Jing-hua Lv^a, Kai Yu^{a,b*}, Chun-mei Wang^{a,b}, Chun-xiao Wang^{a,b}, Sun Di^c, Bai-Bin Zhou^{a,b*}

1. Structural figures

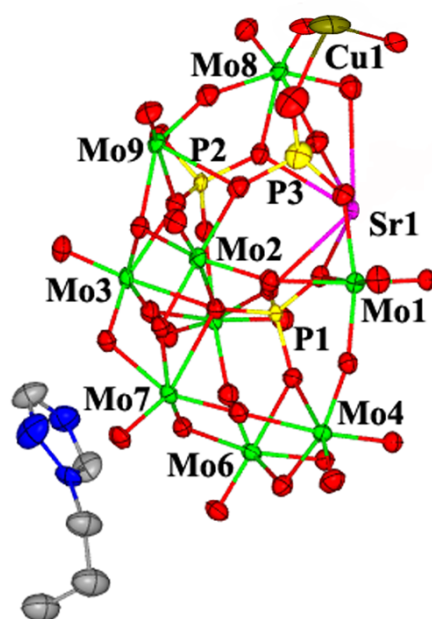


Figure S1 ORTEP view of the basic units in compound 1 with 50% thermal ellipsoid.

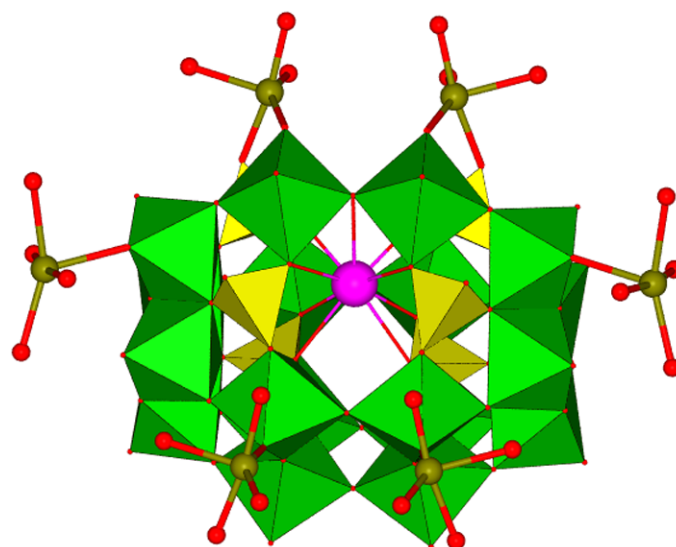


Figure S2 The coordination pattern of $\{\text{P}_6\text{Mo}_{18}\text{O}_{73}\}$ cluster of compound 1

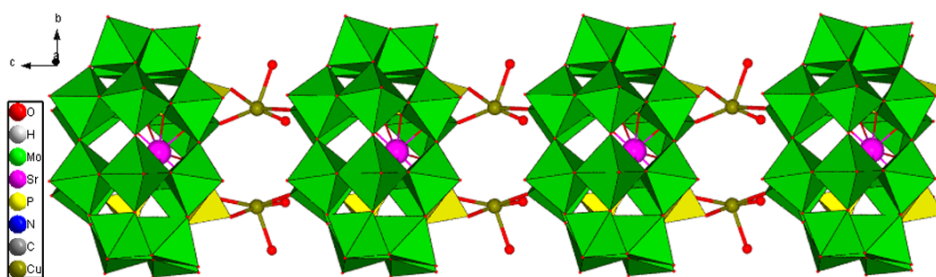


Figure S3 The 1-D chain on the bc plane of compound 1.

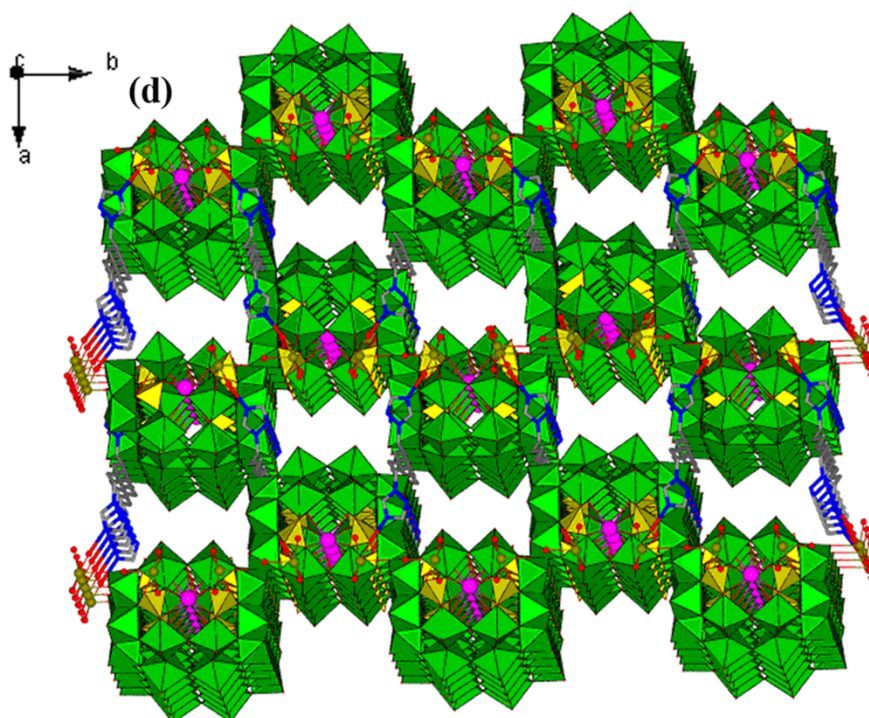


Figure S4 The 3-D supramolecular network on the ab plane of compound 1.

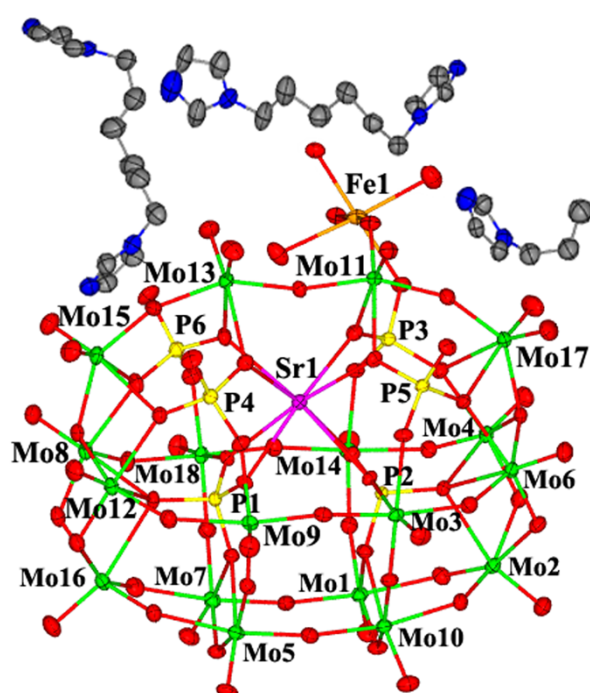


Figure S5 ORTEP view of the basic units in compound 2 with 50% thermal ellipsoid.

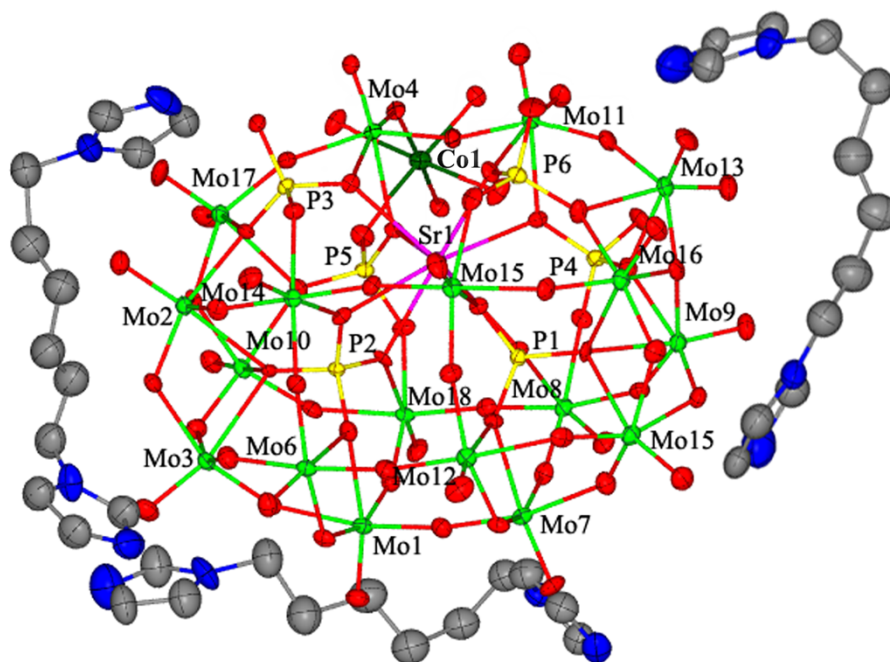


Figure S6 ORTEP view of the basic units in compound **3** with 50% thermal ellipsoid.

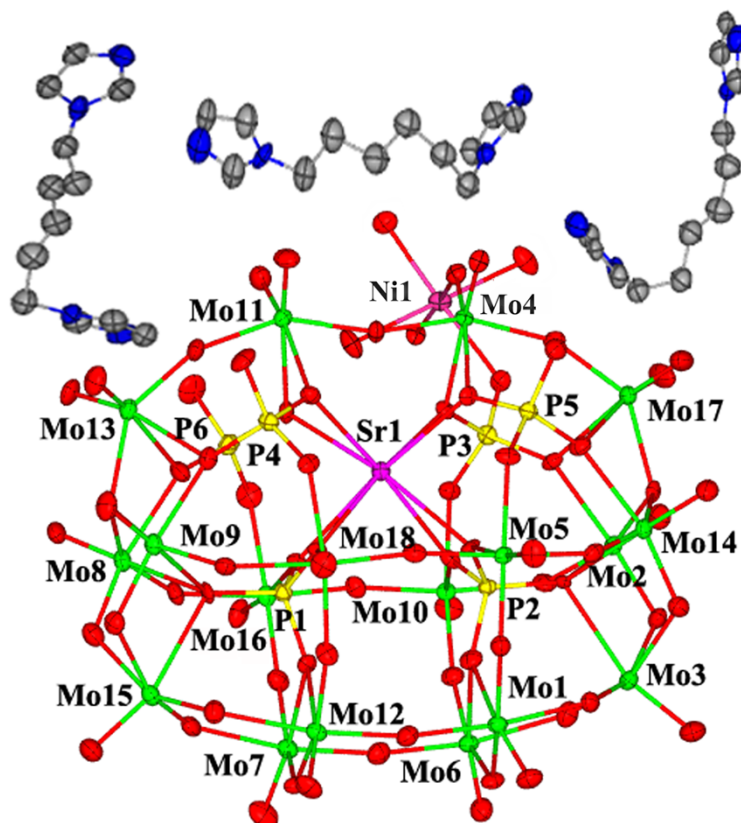


Figure S7 ORTEP view of the basic units in compound **4** with 50% thermal ellipsoid.

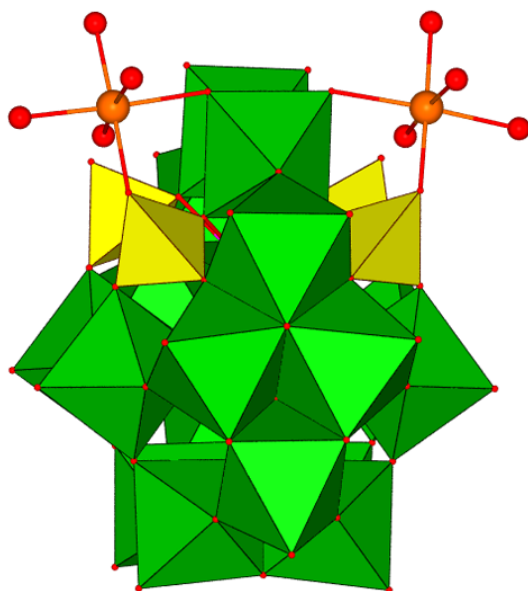


Figure S8 The coordination pattern of {P₆Mo₁₈O₇₃} cluster of compound **2**

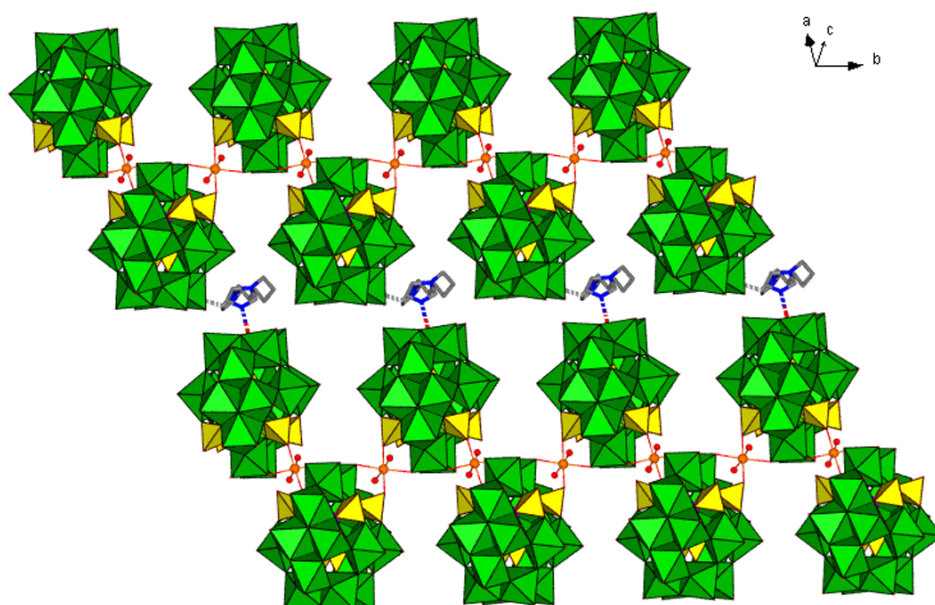


Figure S9 The 2-D supramolecular layer of compound **2** connected by bih ligand

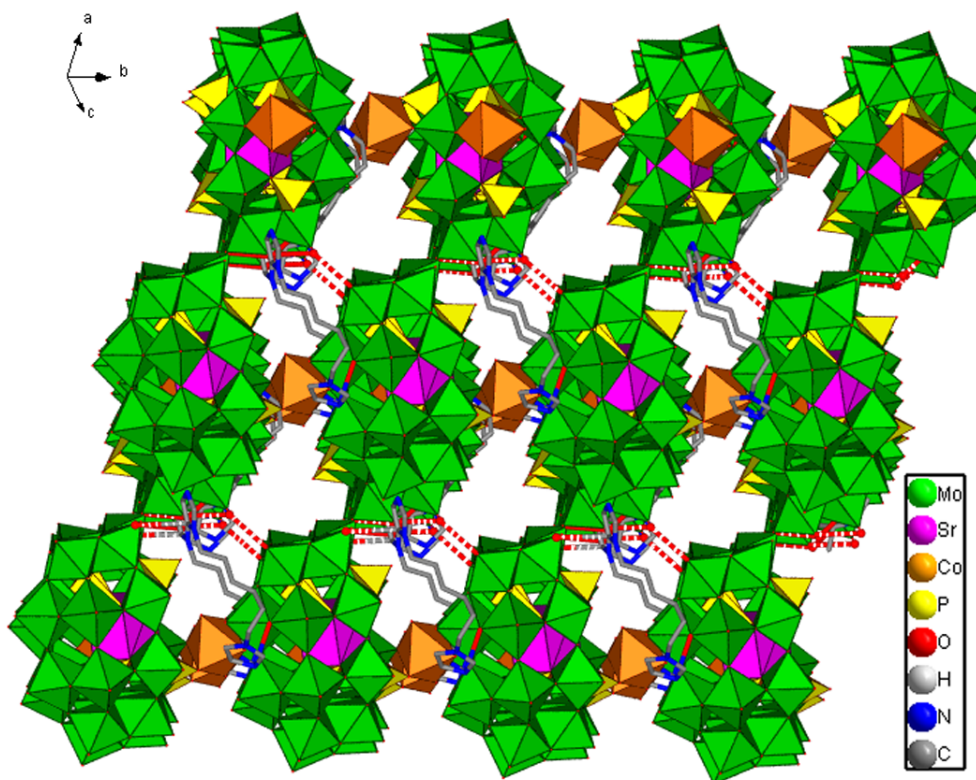


Figure S10 The 3-D supramolecular network of compound **2** linked by water molecular.

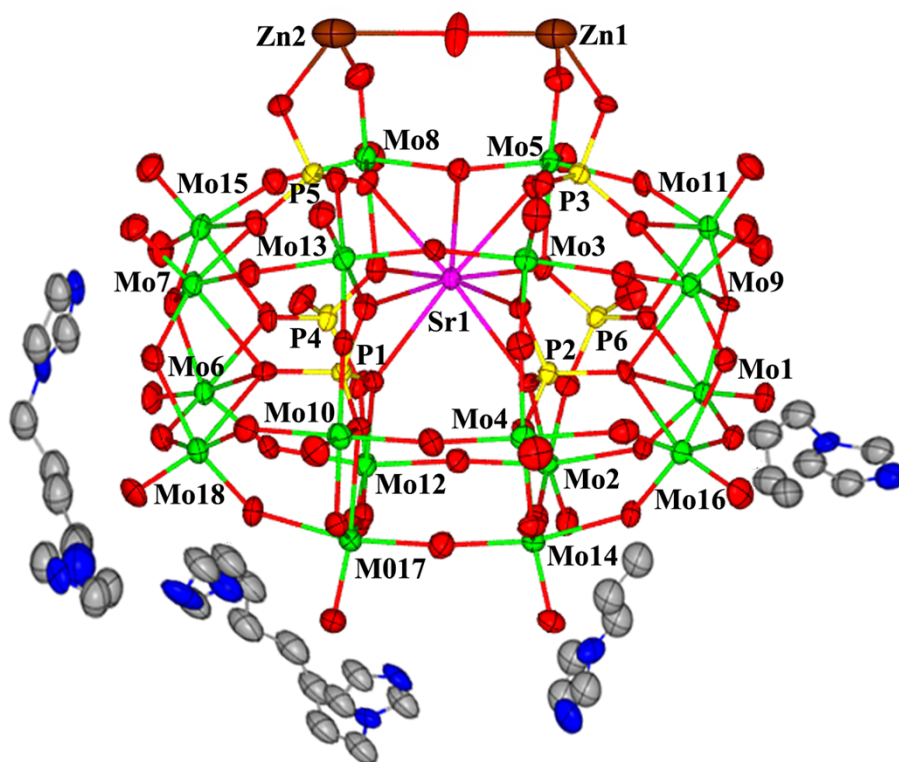


Figure S11 ORTEP view of the basic units in compound **5** with 50% thermal ellipsoid.

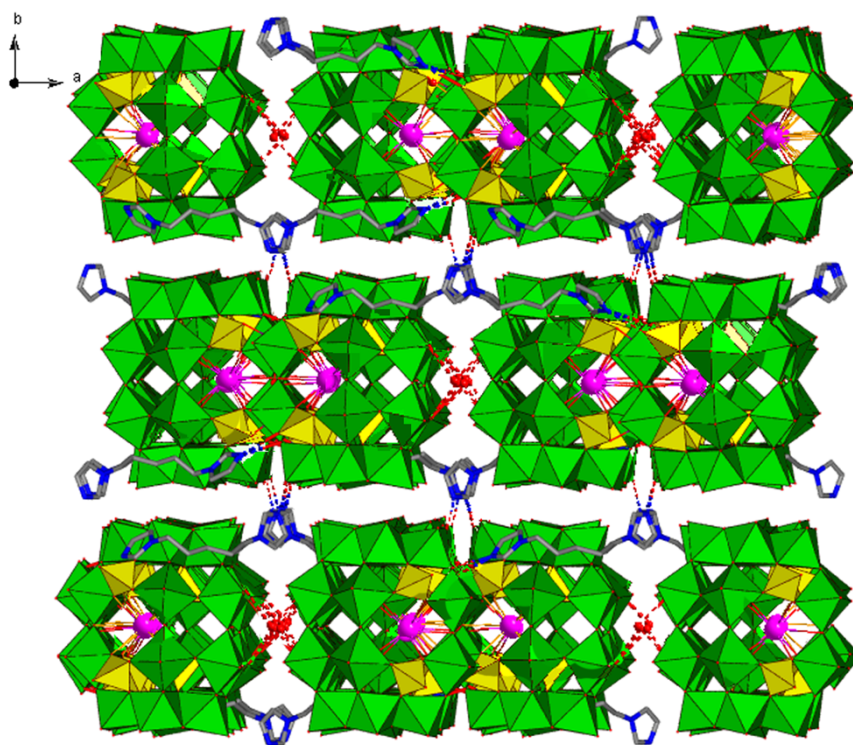


Figure S12 The 3-D supramolecular layer in compound **5**

2. Structural data

Table S1 Selected bond lengths (Å) and bond angles (°) of compound **1**

Mo(1)-O(36)	1.684(19)	Mo(1)-O(2)	1.872(3)	Mo(1)-O(15)	2.057(18)
Mo(1)-O(16)	1.871(19)	Mo(1)-O(27)	2.046(18)	Mo(1)-O(6)	2.234(18)
Mo(2)-O(37)	1.673(19)	Mo(2)-O(9)	1.805(18)	Mo(2)-O(32)	2.162(18)
Mo(2)-O(27)	1.776(18)	Mo(2)-O(7)	2.073(19)	Mo(2)-O(19)	2.358(18)
Mo(3)-O(30)	1.694(18)	Mo(3)-O(13)	1.807(18)	Mo(3)-O(21)	2.149(19)
Mo(3)-O(31)	1.774(18)	Mo(3)-O(7)	2.044(19)	Mo(3)-O(19)	2.462(18)
Mo(4)-O(40)	1.677(18)	Mo(4)-O(16)	1.892(19)	Mo(4)-O(22)	2.069(18)
Mo(4)-O(14)	1.880(3)	Mo(4)-O(10)	1.990(19)	Mo(4)-O(11)	2.295(18)
Mo(5)-O(34)	1.665(18)	Mo(5)-O(5)	1.880(18)	Mo(5)-O(28)	2.048(19)
Mo(5)-O(3)	1.866(3)	Mo(5)-O(31)	2.044(18)	Mo(5)-O(4)	2.234(18)
Mo(6)-O(35)	1.69(2)	Mo(6)-O(5)	1.882(18)	Mo(6)-O(17)	2.086(18)
Mo(6)-O(8)	1.882(3)	Mo(6)-O(10)	1.989(19)	Mo(6)-O(11)	2.281(18)
Mo(7)-O(29)	1.696(18)	Mo(7)-O(22)	1.806(18)	Mo(7)-O(13)	2.084(18)
Mo(7)-O(17)	1.797(18)	Mo(7)-O(9)	2.063(18)	Mo(7)-O(19)	2.405(18)
Mo(8)-O(38)	1.69(2)	Mo(8)-O(1)	1.895(5)	Mo(8)-O(18)	2.236(18)
Mo(8)-O(33)	1.70(2)	Mo(8)-O(23)	2.007(19)	Mo(8)-O(26)	2.28(2)
Mo(9)-O(25)	1.698(19)	Mo(9)-O(23)	1.824(19)	Mo(9)-O(21)	2.296(19)
Mo(9)-O(39)	1.706(19)	Mo(9)-O(7)	2.041(19)	Mo(9)-O(32)	2.327(18)
P(1)-O(6)	1.505(19)	P(1)-O(11)	1.551(19)	P(2)-O(15)	1.509(19)
P(1)-O(4)	1.515(18)	P(1)-O(19)	1.585(18)	P(2)-O(18)	1.537(18)
P(2)-O(12)	1.544(19)	P(3)-O(24)	1.50(2)	P(3)-O(28)	1.54(2)
P(2)-O(32)	1.558(19)	P(3)-O(26)	1.51(2)	P(3)-O(21)	1.57(2)
Sr(1)-O(26)#1	2.565(19)	Sr(1)-O(18)#1	2.604(18)	Sr(1)-O(4)#1	2.671(18)
Sr(1)-O(26)	2.565(19)	Sr(1)-O(18)	2.604(18)	Sr(1)-O(4)	2.671(18)
Sr(1)-O(6)	2.679(18)	Sr(1)-O(6)#1	2.679(18)	Sr(1)-O(1)	2.85(3)
Cu(1)-O(41)	2.063(18)	Cu(1)-O(24)	2.14(2)	Cu(1)#2-O(25)	2.388(19)
Cu(1)-O(33)	2.38(2)	Cu(1)-O(25)#4	2.388(19)		
O(36)-Mo(1)-O(16)	102.0(9)	O(37)-Mo(2)-O(27)	103.8(9)	O(30)-Mo(3)-O(31)	103.1(9)

O(36)-Mo(1)-O(2)	98.7(11)	O(37)-Mo(2)-O(9)	102.8(9)	O(30)-Mo(3)-O(13)	103.1(9)
O(36)-Mo(1)-O(27)	93.6(8)	O(37)-Mo(2)-O(7)	96.3(8)	O(30)-Mo(3)-O(7)	100.2(9)
O(36)-Mo(1)-O(15)	94.9(9)	O(37)-Mo(2)-O(32)	95.3(8)	O(30)-Mo(3)-O(21)	98.8(8)
O(36)-Mo(1)-O(6)	171.5(8)	O(37)-Mo(2)-O(19)	169.5(8)	O(30)-Mo(3)-O(19)	171.0(8)
O(40)-Mo(4)-O(14)	100.8(10)	O(34)-Mo(5)-O(3)	98.2(10)	O(35)-Mo(6)-O(8)	99.1(10)
O(40)-Mo(4)-O(16)	101.0(9)	O(34)-Mo(5)-O(5)	101.5(9)	O(35)-Mo(6)-O(5)	102.1(9)
O(40)-Mo(4)-O(10)	99.9(9)	O(34)-Mo(5)-O(31)	94.4(8)	O(35)-Mo(6)-O(10)	98.2(9)
O(40)-Mo(4)-O(22)	94.7(8)	O(34)-Mo(5)-O(28)	94.9(9)	O(35)-Mo(6)-O(17)	94.4(8)
O(40)-Mo(4)-O(11)	170.2(8)	O(34)-Mo(5)-O(4)	173.0(8)	O(35)-Mo(6)-O(11)	169.1(8)
O(29)-Mo(7)-O(17)	106.3(9)	O(38)-Mo(8)-O(33)	103.0(11)	O(25)-Mo(9)-O(39)	102.6(9)
O(29)-Mo(7)-O(22)	105.7(9)	O(38)-Mo(8)-O(1)	100.4(11)	O(25)-Mo(9)-O(23)	103.7(9)
O(29)-Mo(7)-O(9)	93.6(8)	O(38)-Mo(8)-O(23)	96.3(9)	O(25)-Mo(9)-O(7)	96.7(8)
O(29)-Mo(7)-O(13)	94.4(8)	O(38)-Mo(8)-O(18)	92.4(9)	O(25)-Mo(9)-O(21)	164.2(8)
O(29)-Mo(7)-O(19)	160.6(8)	O(38)-Mo(8)-O(26)	168.4(9)	O(25)-Mo(9)-O(32)	87.0(8)
O(6)-P(1)-O(4)	108.5(10)	O(15)-P(2)-O(18)	112.1(10)	O(24)-P(3)-O(26)	112.9(13)
O(6)-P(1)-O(11)	111.7(10)	O(15)-P(2)-O(12)	109.7(10)	O(24)-P(3)-O(28)	107.1(12)
O(6)-P(1)-O(19)	108.4(10)	O(15)-P(2)-O(32)	112.7(10)	O(24)-P(3)-O(21)	109.1(12)
O(26)#1-Sr(1)-O(26)	82.5(9)	O(26)#1-Sr(1)-O(18)#1	65.1(6)	O(26)#1-Sr(1)-O(18)	115.3(6)
O(26)#1-Sr(1)-O(4)#1	73.0(6)	O(26)#1-Sr(1)-O(4)	119.5(6)	O(26)#1-Sr(1)-O(6)	170.2(6)
O(26)#1-Sr(1)-O(6)#1	101.6(6)	O(26)#1-Sr(1)-O(1)	58.5(6)	O(41)-Cu(1)-O(24)	170.7(13)
O(41)-Cu(1)-O(33)	98.5(13)	O(41)-Cu(1)-O(25)#4	89.0(12)		

Symmetry transformations used to generate equivalent atoms: #1 -x,-y,-z; #2 -x+1/2,-y+1/2,-z

Table S2 Selected bond lengths (Å) and bond angles (°) of compound **2**

Mo(1)-O(29)	1.681(5)	Mo(1)-O(63)	1.884(5)	Mo(1)-O(12)	1.883(5)
Mo(1)-O(9)	1.951(5)	Mo(1)-O(64)	2.097(5)	Mo(1)-O(19)	2.301(5)
Mo(2)-O(11)	1.690(5)	Mo(2)-O(64)	1.790(5)	Mo(2)-O(3)	1.797(5)
Mo(2)-O(71)	2.077(5)	Mo(2)-O(44)	2.094(5)	Mo(2)-O(13)	2.418(4)
Mo(3)-O(55)	1.680(5)	Mo(3)-O(7)	1.874(5)	Mo(3)-O(5)	1.893(5)
Mo(3)-O(60)	2.028(5)	Mo(3)-O(24)	2.038(5)	Mo(3)-O(6)	2.221(5)
Mo(4)-O(27)	1.681(5)	Mo(4)-O(34)	1.780(5)	Mo(4)-O(71)	1.806(5)
Mo(4)-O(42)	2.072(5)	Mo(4)-O(28)	2.126(5)	Mo(4)-O(13)	2.431(5)
Mo(5)-O(43)	1.675(5)	Mo(5)-O(2)	1.877(5)	Mo(5)-O(49)	1.891(5)
Mo(5)-O(14)	1.920(5)	Mo(5)-O(56)	2.123(5)	Mo(5)-O(21)	2.290(5)
Mo(6)-O(65)	1.684(5)	Mo(6)-O(60)	1.781(5)	Mo(6)-O(44)	1.795(5)
Mo(6)-O(42)	2.070(5)	Mo(6)-O(52)	2.143(5)	Mo(6)-O(13)	2.417(5)
Mo(7)-O(38)	1.671(5)	Mo(7)-O(12)	1.878(5)	Mo(7)-O(8)	1.892(5)
Mo(7)-O(14)	1.912(5)	Mo(7)-O(18)	2.115(5)	Mo(7)-O(21)	2.315(5)
Mo(8)-O(69)	1.695(5)	Mo(8)-O(30)	2.149(5)	Mo(8)-O(39)	1.791(5)
Mo(8)-O(37)	2.064(5)	Mo(8)-O(59)	102.0(5)	Mo(8)-O(16)	2.419(5)
Mo(9)-O(51)	1.677(5)	Mo(9)-O(7)	1.857(5)	Mo(9)-O(49)	Mo(9)- 1.877(5)
Mo(9)-O(32)	2.045(5)	Mo(9)-O(48)	2.070(5)	Mo(9)-O(41)	2.239(4)
Mo(10)-O(62)	1.688(5)	Mo(10)-O(5)	1.875(5)	Mo(10)-O(2)	1.887(5)
Mo(10)-O(9)	1.967(5)	Mo(10)-O(3)	2.102(5)	Mo(10)-O(19)	2.284(5)
Mo(11)-O(58)	1.722(5)	Mo(11)-O(36)	1.722(5)	Mo(11)-O(1)	1.911(4)
Mo(11)-O(15)	1.936(5)	Mo(11)-O(10)	2.208(5)	Mo(11)-Sr(1)	3.6336(9)
Mo(12)-O(68)	1.683(5)	Mo(12)-O(32)	1.779(5)	Mo(12)-O(67)	1.797(5)
Mo(12)-O(37)	2.074(5)	Mo(12)-O(22)	2.147(5)	Mo(12)-O(22)	2.147(5)
Mo(13)-O(45)	1.695(5)	Mo(13)-O(46)	1.705(6)	Mo(13)-O(1)	1.897(4)
Mo(13)-O(40)	1.958(5)	Mo(13)-O(26)	2.286(5)	Mo(13)-O(20)	2.300(5)
Mo(14)-O(33)	1.673(5)	Mo(14)-O(4)	1.873(5)	Mo(14)-O(63)	1.877(5)
Mo(14)-O(34)	2.031(5)	Mo(14)-O(47)	2.065(5)	Mo(14)-O(17)	2.221(5)
Mo(15)-O(61)	1.696(5)	Mo(15)-O(31)	1.699(6)	Mo(15)-O(40)	1.855(5)
Mo(15)-O(37)	2.036(5)	Mo(15)-O(59)	2.357(5)	Mo(15)-O(22)	2.360(5)
Mo(16)-O(66)	1.694(5)	Mo(16)-O(56)	1.790(5)	Mo(16)-O(18)	1.791(5)

Mo(16)-O(39)	2.091(5)	Mo(16)-O(67)	2.105(5)	Mo(16)-O(16)	2.411(5)
Mo(17)-O(75)	1.687(6)	Mo(17)-O(74)	1.693(6)	Mo(17)-O(15)	1.849(5)
Mo(17)-O(42)	2.018(4)	Mo(17)-O(52)	2.347(5)	Mo(17)-O(28)	2.399(5)
Mo(18)-O(73)	1.671(5)	Mo(18)-O(4)	1.860(5)	Mo(18)-O(8)	1.874(5)
Mo(18)-O(30)	2.053(5)	Mo(18)-O(35)	2.083(5)	Mo(18)-O(23)	2.230(5)
P(1)-O(23)	1.509(5)	P(1)-O(41)	1.516(5)	P(2)-O(17)	1.514(5)
P(1)-O(21)	1.536(4)	P(1)-O(16)	1.577(4)	P(2)-O(6)	1.522(5)
P(2)-O(19)	1.539(4)	P(2)-O(13)	1.567(4)	P(3)-O(70)	1.510(5)
P(3)-O(10)	1.534(5)	P(3)-O(47)	1.550(5)	P(3)-O(28)	1.564(5)
P(4)-O(20)	1.514(5)	P(4)-O(48)	1.523(5)	P(5)-O(25)	1.517(5)
P(4)-O(22)	1.551(5)	P(4)-O(57)	1.572(5)	P(5)-O(24)	1.529(5)
P(5)-O(50)	1.536(5)	P(5)-O(52)	1.570(5)	P(6)-O(35)	1.512(5)
P(6)-O(26)	1.513(5)	P(6)-O(59)	1.549(5)	P(6)-O(72)	1.587(5)
Sr(1)-O(50)	2.528(5)	Sr(1)-O(10)	2.560(5)	Sr(1)-O(26)	2.585(5)
Sr(1)-O(6)	2.627(5)	Sr(1)-O(41)	2.626(5)	Sr(1)-O(20)	2.630(5)
Sr(1)-O(23)	2.644(4)	Sr(1)-O(17)	2.649(5)	Sr(1)-O(1)	2.896(4)
Fe(1)-O(70)#1	2.039(5)	Fe(1)-O(70)#1	2.039(5)	Fe(1)-O(25)	2.053(5)
Fe(1)-O(58)	2.122(5)	Fe(1)-O(36)#1	2.151(5)	Fe(1)-O(54)	2.178(5)
Fe(1)-O(53)	2.210(5)				
O(29)-Mo(1)-O(63)	103.2(2)	O(11)-Mo(2)-O(64)	103.6(3)	O(55)-Mo(3)-O(7)	99.2(2)
O(29)-Mo(1)-O(12)	100.4(2)	O(11)-Mo(2)-O(3)	105.0(3)	O(55)-Mo(3)-O(5)	101.6(2)
O(29)-Mo(1)-O(9)	99.0(2)	O(11)-Mo(2)-O(71)	95.7(2)	O(55)-Mo(3)-O(60)	93.9(2)
O(29)-Mo(1)-O(64)	92.7(2)	O(11)-Mo(2)-O(44)	96.5(2)	O(55)-Mo(3)-O(24)	95.9(2)
O(29)-Mo(1)-O(19)	168.2(2)	O(11)-Mo(2)-O(13)	162.8(2)	O(55)-Mo(3)-O(6)	173.3(2)
O(27)-Mo(4)-O(34)	104.5(2)	O(43)-Mo(5)-O(2)	100.8(2)	O(65)-Mo(6)-O(60)	104.5(3)
O(27)-Mo(4)-O(71)	101.9(2)	O(43)-Mo(5)-O(49)	101.0(2)	O(65)-Mo(6)-O(44)	102.0(2)
O(27)-Mo(4)-O(42)	99.2(2)	O(43)-Mo(5)-O(14)	101.1(2)	O(65)-Mo(6)-O(42)	98.7(2)
O(27)-Mo(4)-O(28)	96.8(2)	O(43)-Mo(5)-O(56)	91.9(2)	O(65)-Mo(6)-O(52)	96.4(2)
O(27)-Mo(4)-O(13)	170.3(2)	O(43)-Mo(5)-O(21)	168.6(2)	O(65)-Mo(6)-O(13)	170.3(2)
O(38)-Mo(7)-O(12)	100.7(2)	O(69)-Mo(8)-O(30)	105.2(3)	O(51)-Mo(9)-O(7)	98.6(2)
O(38)-Mo(7)-O(8)	101.3(2)	O(69)-Mo(8)-O(39)	103.2(2)	O(51)-Mo(9)-O(49)	101.6(2)
O(38)-Mo(7)-O(14)	102.0(2)	O(69)-Mo(8)-O(37)	98.0(2)	O(51)-Mo(9)-O(32)	94.6(2)
O(38)-Mo(7)-O(18)	93.1(2)	O(69)-Mo(8)-O(59)	96.0(2)	O(51)-Mo(9)-O(48)	95.6(2)
O(38)-Mo(7)-O(21)	169.8(2)	O(69)-Mo(8)-O(16)	170.2(2)	O(51)-Mo(9)-O(41)	172.8(2)
O(62)-Mo(10)-O(5)	101.6(2)	O(58)-Mo(11)-O(36)	103.5(2)	O(68)-Mo(12)-O(32)	104.3(3)
O(62)-Mo(10)-O(2)	101.6(2)	O(58)-Mo(11)-O(1)	97.7(2)	O(68)-Mo(12)-O(67)	103.5(2)
O(62)-Mo(10)-O(9)	99.2(2)	O(58)-Mo(11)-O(15)	96.4(2)	O(68)-Mo(12)-O(37)	97.5(2)
O(62)-Mo(10)-O(3)	91.6(2)	O(58)-Mo(11)-O(10)	165.6(2)	O(68)-Mo(12)-O(22)	96.1(2)
O(62)-Mo(10)-O(19)	167.7(2)	O(58)-Mo(11)-O(50)	89.8(2)	O(68)-Mo(12)-O(16)	170.1(2)
O(45)-Mo(13)-O(46)	103.6(3)	O(33)-Mo(14)-O(4)	99.5(2)	O(61)-Mo(15)-O(31)	102.7(3)
O(45)-Mo(13)-O(1)	100.1(2)	O(33)-Mo(14)-O(63)	101.3(2)	O(61)-Mo(15)-O(40)	102.9(3)
O(45)-Mo(13)-O(40)	98.0(2)	O(33)-Mo(14)-O(34)	93.6(2)	O(61)-Mo(15)-O(37)	99.7(2)
O(45)-Mo(13)-O(26)	168.2(2)	O(33)-Mo(14)-O(47)	95.4(2)	O(61)-Mo(15)-O(59)	166.1(2)
O(45)-Mo(13)-O(20)	91.1(2)	O(33)-Mo(14)-O(17)	173.3(2)	O(61)-Mo(15)-O(22)	86.5(2)
O(66)-Mo(16)-O(56)	105.0(3)	O(75)-Mo(17)-O(74)	102.2(3)	O(73)-Mo(18)-O(4)	98.8(2)
O(66)-Mo(16)-O(18)	105.7(3)	O(75)-Mo(17)-O(15)	103.4(3)	O(73)-Mo(18)-O(8)	101.1(2)
O(66)-Mo(16)-O(39)	95.8(2)	O(75)-Mo(17)-O(42)	102.1(2)	O(73)-Mo(18)-O(30)	94.7(2)
O(66)-Mo(16)-O(67)	94.8(2)	O(75)-Mo(17)-O(52)	85.8(2)	O(73)-Mo(18)-O(35)	94.8(2)
O(66)-Mo(16)-O(16)	161.8(2)	O(75)-Mo(17)-O(28)	169.0(2)	O(73)-Mo(18)-O(23)	172.7(2)
O(23)-P(1)-O(41)	107.5(3)	O(17)-P(2)-O(6)	107.9(2)	O(70)-P(3)-O(10)	109.7(3)
O(23)-P(1)-O(21)	111.2(3)	O(17)-P(2)-O(19)	110.6(3)	O(70)-P(3)-O(47)	108.3(3)
O(23)-P(1)-O(16)	109.8(3)	O(17)-P(2)-O(13)	110.0(3)	O(70)-P(3)-O(28)	111.2(3)
O(20)-P(4)-O(48)	111.7(3)	O(25)-P(5)-O(24)	108.2(3)	O(35)-P(6)-O(26)	112.6(3)
O(20)-P(4)-O(22)	110.7(3)	O(25)-P(5)-O(50)	109.9(3)	O(35)-P(6)-O(59)	112.9(3)
O(20)-P(4)-O(57)	106.7(3)	O(25)-P(5)-O(52)	110.7(3)	O(35)-P(6)-O(72)	105.3(3)
O(50)-Sr(1)-O(10)	64.70(15)	O(50)-Sr(1)-O(26)	114.37(15)	O(50)-Sr(1)-O(6)	73.87(14)
O(50)-Sr(1)-O(41)	120.94(15)	O(50)-Sr(1)-O(20)	79.79(15)	O(50)-Sr(1)-O(23)	173.10(15)

O(50)-Sr(1)-O(17)	102.28(15)	O(50)-Sr(1)-O(1)	57.98(14)		
O(70)#1-Fe(1)-O(58)	88.8(2)	O(70)#1-Fe(1)-O(25)	178.2(2)	O(70)#1-Fe(1)-O(36)#1	91.4(2)
O(70)#1-Fe(1)-O(54)	82.7(2)	O(70)#1-Fe(1)-O(53)	99.9(2)		

Symmetry transformations used to generate equivalent atoms: #1 -x,-y,-z; #2 -x+1/2,-y+1/2,-z

Table S3 Selected bond lengths (Å) and bond angles (°) of compound **3**

Mo(1)-O(47)	1.695(8)	Mo(2)-O(29)	1.705(8)	Mo(3)-O(8)	1.696(7)
Mo(1)-O(6)	1.897(7)	Mo(2)-O(64)	1.800(8)	Mo(3)-O(70)	1.798(8)
Mo(1)-O(67)	1.907(8)	Mo(2)-O(74)	1.820(8)	Mo(3)-O(3)	1.807(8)
Mo(1)-O(12)	1.965(8)	Mo(2)-O(43)	2.091(7)	Mo(3)-O(33)	2.087(8)
Mo(1)-O(70)	2.124(8)	Mo(2)-O(25)	2.143(7)	Mo(3)-O(74)	2.090(8)
Mo(1)-O(15)	2.317(8)	Mo(2)-O(7)	2.440(7)	Mo(3)-O(7)	2.431(6)
Mo(4)-O(30)	1.739(7)	Mo(5)-O(48)	1.689(8)	Mo(6)-O(45)	1.701(8)
Mo(4)-O(71)	1.747(8)	Mo(5)-O(11)	1.879(7)	Mo(6)-O(2)	1.895(7)
Mo(4)-O(1)	1.928(6)	Mo(5)-O(18)	1.898(8)	Mo(6)-O(18)	1.903(8)
Mo(4)-O(44)	1.935(7)	Mo(5)-O(14)	2.054(7)	Mo(6)-O(12)	1.977(8)
Mo(4)-O(22)	2.232(7)	Mo(5)-O(20)	2.059(7)	Mo(6)-O(3)	2.121(7)
Mo(4)-O(5)	2.239(7)	Mo(5)-O(10)	2.258(8)	Mo(6)-O(15)	2.306(8)
Mo(7)-O(37)	1.689(8)	Mo(8)-O(63)	1.707(8)	Mo(9)-O(52)	1.690(8)
Mo(7)-O(51)	1.895(8)	Mo(8)-O(57)	1.798(8)	Mo(9)-O(31)	1.794(8)
Mo(7)-O(2)	1.901(7)	Mo(8)-O(53)	1.801(8)	Mo(9)-O(49)	1.814(8)
Mo(7)-O(17)	1.947(8)	Mo(8)-O(24)	2.081(8)	Mo(9)-O(24)	2.084(8)
Mo(7)-O(59)	2.142(7)	Mo(8)-O(62)	2.186(7)	Mo(9)-O(23)	2.179(7)
Mo(7)-O(40)	2.318(7)	Mo(8)-O(4)	2.433(7)	Mo(9)-O(4)	2.425(7)
Mo(10)-O(55)	1.693(8)	Mo(11)-O(34)	1.693(8)	Mo(12)-O(66)	1.694(9)
Mo(10)-O(9)	1.884(7)	Mo(11)-O(50)	1.725(9)	Mo(12)-O(6)	1.898(7)
Mo(10)-O(67)	1.891(8)	Mo(11)-O(1)	1.918(6)	Mo(12)-O(27)	1.910(8)
Mo(10)-O(64)	2.043(8)	Mo(11)-O(39)	1.954(7)	Mo(12)-O(17)	1.929(8)
Mo(10)-O(28)	2.085(7)	Mo(11)-O(26)	2.302(8)	Mo(12)-O(16)	2.146(8)
Mo(10)-O(13)	2.240(7)	Mo(11)-O(19)	2.305(7)	Mo(12)-O(40)	2.328(7)
Mo(13)-O(38)	1.710(8)	Mo(14)-O(35)	1.689(8)	Mo(15)-O(56)	1.704(8)
Mo(13)-O(60)	1.711(8)	Mo(14)-O(14)	1.784(8)	Mo(15)-O(16)	1.793(8)
Mo(13)-O(39)	1.892(7)	Mo(14)-O(33)	1.811(8)	Mo(15)-O(59)	1.798(8)
Mo(13)-O(24)	2.054(7)	Mo(14)-O(43)	2.075(7)	Mo(15)-O(57)	2.106(9)
Mo(13)-O(23)	2.369(8)	Mo(14)-O(61)	2.151(8)	Mo(15)-O(49)	2.130(8)
Mo(13)-O(62)	2.369(8)	Mo(14)-O(7)	2.442(7)	Mo(15)-O(4)	2.437(7)
Mo(16)-O(54)	1.688(8)	Mo(17)-O(68)	1.706(9)	Mo(18)-O(75)	1.690(8)
Mo(16)-O(11)	1.882(7)	Mo(17)-O(73)	1.712(9)	Mo(18)-O(9)	1.884(7)
Mo(16)-O(51)	1.902(8)	Mo(17)-O(44)	1.884(7)	Mo(18)-O(27)	1.887(8)
Mo(16)-O(31)	2.058(7)	Mo(17)-O(43)	2.053(7)	Mo(18)-O(53)	2.072(7)
Mo(16)-O(21)	2.093(7)	Mo(17)-O(61)	2.389(8)	Mo(18)-O(36)	2.106(8)
Mo(16)-O(41)	2.261(7)	Mo(17)-O(25)	2.422(8)	Mo(18)-O(42)	2.248(7)
P(1)-O(42)	1.529(8)	P(2)-O(13)	1.519(8)	P(3)-O(46)	1.519(8)
P(1)-O(41)	1.534(8)	P(2)-O(10)	1.531(8)	P(3)-O(20)	1.537(8)
P(1)-O(40)	1.549(7)	P(2)-O(15)	1.548(7)	P(3)-O(5)	1.550(7)
P(1)-O(4)	1.586(7)	P(2)-O(7)	1.585(6)	P(3)-O(61)	1.577(8)
P(4)-O(21)	1.527(8)	P(5)-O(72)	1.520(8)	P(6)-O(26)	1.533(8)
P(4)-O(19)	1.539(8)	P(5)-O(22)	1.542(8)	P(6)-O(36)	1.521(8)
P(4)-O(23)	1.563(8)	P(5)-O(28)	1.567(8)	P(6)-O(62)	1.557(8)
P(4)-O(58)	1.576(8)	P(5)-O(25)	1.582(8)	P(6)-O(65)	1.607(8)
Sr(1)-O(5)	2.524(7)	Sr(1)-O(22)	2.582(7)	Sr(1)-O(26)	2.613(7)
Sr(1)-O(10)	2.620(7)	Sr(1)-O(41)	2.636(7)	Sr(1)-O(19)	2.646(8)
Sr(1)-O(42)	2.670(7)	Sr(1)-O(13)	2.680(8)	Sr(1)-O(1)	2.908(7)
Co(1)-O(72)#1	2.051(7)	Co(1)-O(46)	2.072(8)	Co(1)-O(71)#1	2.134(8)
Co(1)-O(30)	2.138(7)	Co(1)-O(69)	2.169(7)	Co(1)-O(32)	2.188(7)

O(47)-Mo(1)-O(6)	100.1(4)	O(29)-Mo(2)-O(64)	104.4(4)	O(8)-Mo(3)-O(70)	104.2(4)
O(47)-Mo(1)-O(67)	103.1(4)	O(29)-Mo(2)-O(74)	102.1(4)	O(8)-Mo(3)-O(3)	105.6(4)
O(47)-Mo(1)-O(12)	99.1(4)	O(29)-Mo(2)-O(43)	99.7(3)	O(8)-Mo(3)-O(33)	96.6(4)
O(47)-Mo(1)-O(70)	93.2(3)	O(29)-Mo(2)-O(25)	97.0(3)	O(8)-Mo(3)-O(74)	95.0(4)
O(47)-Mo(1)-O(15)	168.0(3)	O(29)-Mo(2)-O(7)	170.4(3)	O(8)-Mo(3)-O(7)	161.9(3)
O(30)-Mo(4)-O(71)	103.9(3)	O(48)-Mo(5)-O(11)	99.2(4)	O(45)-Mo(6)-O(2)	101.1(4)
O(30)-Mo(4)-O(1)	98.3(3)	O(48)-Mo(5)-O(18)	102.0(4)	O(45)-Mo(6)-O(18)	101.8(4)
O(30)-Mo(4)-O(44)	95.6(3)	O(48)-Mo(5)-O(14)	93.9(3)	O(45)-Mo(6)-O(12)	99.5(4)
O(30)-Mo(4)-O(22)	165.5(3)	O(48)-Mo(5)-O(20)	95.9(4)	O(45)-Mo(6)-O(3)	92.1(3)
O(30)-Mo(4)-O(5)	90.0(3)	O(48)-Mo(5)-O(10)	173.0(3)	O(45)-Mo(6)-O(15)	167.7(3)
O(37)-Mo(7)-O(51)	101.3(4)	O(63)-Mo(8)-O(57)	103.1(4)	O(52)-Mo(9)-O(31)	104.3(4)
O(37)-Mo(7)-O(2)	100.3(4)	O(63)-Mo(8)-O(53)	104.5(4)	O(52)-Mo(9)-O(49)	103.2(4)
O(37)-Mo(7)-O(17)	101.0(4)	O(63)-Mo(8)-O(24)	99.1(3)	O(52)-Mo(9)-O(24)	97.7(4)
O(37)-Mo(7)-O(59)	92.6(4)	O(63)-Mo(8)-O(62)	96.2(3)	O(52)-Mo(9)-O(23)	95.9(4)
O(37)-Mo(7)-O(40)	168.8(3)	O(63)-Mo(8)-O(4)	170.8(3)	O(52)-Mo(9)-O(4)	169.9(3)
O(55)-Mo(10)-O(9)	99.7(4)	O(34)-Mo(11)-O(50)	104.0(4)	O(66)-Mo(12)-O(6)	100.2(4)
O(55)-Mo(10)-O(67)	100.8(4)	O(34)-Mo(11)-O(1)	100.3(4)	O(66)-Mo(12)-O(27)	101.5(4)
O(55)-Mo(10)-O(64)	93.1(4)	O(34)-Mo(11)-O(39)	98.0(4)	O(66)-Mo(12)-O(17)	101.6(4)
O(55)-Mo(10)-O(28)	95.3(4)	O(34)-Mo(11)-O(26)	168.1(4)	O(66)-Mo(12)-O(16)	93.5(4)
O(55)-Mo(10)-O(13)	172.9(3)	O(34)-Mo(11)-O(19)	90.9(4)	O(66)-Mo(12)-O(40)	170.2(3)
O(38)-Mo(13)-O(60)	103.1(4)	O(35)-Mo(14)-O(14)	104.7(4)	O(56)-Mo(15)-O(16)	105.3(4)
O(38)-Mo(13)-O(39)	104.4(4)	O(35)-Mo(14)-O(33)	102.4(4)	O(56)-Mo(15)-O(59)	105.4(4)
O(38)-Mo(13)-O(24)	99.3(4)	O(35)-Mo(14)-O(43)	98.6(3)	O(56)-Mo(15)-O(57)	95.9(3)
O(38)-Mo(13)-O(23)	166.4(4)	O(35)-Mo(14)-O(61)	97.1(3)	O(56)-Mo(15)-O(49)	94.7(3)
O(38)-Mo(13)-O(62)	86.8(4)	O(35)-Mo(14)-O(7)	169.6(3)	O(56)-Mo(15)-O(4)	161.7(3)
O(54)-Mo(16)-O(11)	98.9(4)	O(68)-Mo(17)-O(73)	101.2(5)	O(75)-Mo(18)-O(9)	98.6(4)
O(54)-Mo(16)-O(51)	102.2(4)	O(68)-Mo(17)-O(44)	103.7(4)	O(75)-Mo(18)-O(27)	100.5(4)
O(54)-Mo(16)-O(31)	94.2(4)	O(68)-Mo(17)-O(43)	101.9(4)	O(75)-Mo(18)-O(53)	94.6(4)
O(54)-Mo(16)-O(21)	95.6(4)	O(68)-Mo(17)-O(61)	86.6(4)	O(75)-Mo(18)-O(36)	95.2(4)
O(54)-Mo(16)-O(41)	172.0(3)	O(68)-Mo(17)-O(25)	169.3(4)	O(75)-Mo(18)-O(42)	173.2(3)
O(42)-P(1)-O(41)	107.1(4)	O(13)-P(2)-O(10)	107.5(4)	O(46)-P(3)-O(20)	108.0(5)
O(42)-P(1)-O(40)	111.1(4)	O(13)-P(2)-O(15)	111.4(4)	O(46)-P(3)-O(5)	111.1(4)
O(42)-P(1)-O(4)	109.8(4)	O(13)-P(2)-O(7)	109.2(4)	O(46)-P(3)-O(61)	111.3(4)
O(21)-P(4)-O(19)	111.4(4)	O(72)-P(5)-O(22)	110.5(4)	O(36)-P(6)-O(26)	113.3(4)
O(21)-P(4)-O(23)	112.2(4)	O(72)-P(5)-O(28)	108.4(4)	O(36)-P(6)-O(62)	112.9(4)
O(21)-P(4)-O(58)	109.1(5)	O(72)-P(5)-O(25)	111.5(4)	O(36)-P(6)-O(65)	105.1(5)
O(5)-Sr(1)-O(22)	64.9(2)	O(5)-Sr(1)-O(26)	114.1(2)	O(5)-Sr(1)-O(10)	74.1(2)
O(5)-Sr(1)-O(41)	121.7(2)	O(5)-Sr(1)-O(19)	80.1(2)	O(5)-Sr(1)-O(42)	173.7(2)
O(5)-Sr(1)-O(13)	102.0(2)	O(5)-Sr(1)-O(1)	58.2(2)		
O(72)#1-Co(1)-O(46)	178.1(3)	O(72)#1-Co(1)-O(71)#1	91.2(3)	O(72)#1-Co(1)-O(30)	88.7(3)
O(72)#1-Co(1)-O(69)	81.5(3)	O(72)#1-Co(1)-O(32)	99.3(3)		

Symmetry transformations used to generate equivalent atoms: #1 -x,-y,-z; #2 -x+1/2,-y+1/2,-z

Table S4 Selected bond lengths (Å) and bond angles (°) of compound **4**

Mo(1)-O(45)	1.685(7)	Mo(1)-O(7)	1.874(6)	Mo(1)-O(47)	1.883(7)
Mo(1)-O(10)	1.959(7)	Mo(1)-O(56)	2.099(7)	Mo(1)-O(17)	2.299(6)
Mo(2)-O(15)	1.682(6)	Mo(2)-O(56)	1.787(7)	Mo(2)-O(4)	1.800(7)
Mo(2)-O(27)	2.084(7)	Mo(2)-O(24)	2.089(7)	Mo(2)-O(9)	2.400(6)
Mo(3)-O(23)	1.685(7)	Mo(3)-O(30)	2.117(6)	Mo(3)-O(27)	2.431(7)
Mo(3)-O(61)	2.069(7)	Mo(3)-O(52)	2.704(11)	Mo(3)-O(9)	2.431(12)
Mo(4)-O(32)	1.666(7)	Mo(4)-O(13)	1.887(7)	Mo(4)-O(7)	1.888(6)
Mo(4)-O(73)	1.911(7)	Mo(4)-O(12)	2.115(6)	Mo(4)-O(58)	2.311(6)
Mo(5)-O(29)	1.727(7)	Mo(5)-O(57)	1.727(7)	Mo(5)-O(1)	1.908(6)
Mo(5)-O(33)	1.936(6)	Mo(5)-O(8)	2.220(7)	Mo(5)-O(54)	2.224(7)
Mo(6)-O(40)	1.680(7)	Mo(6)-O(3)	1.870(6)	Mo(6)-O(6)	1.899(7)

Mo(6)-O(55)	2.038(6)	Mo(6)-O(39)	2.050(7)	Mo(6)-O(5)	2.233(7)
Mo(7)-O(50)	1.686(7)	Mo(7)-O(31)	1.775(6)	Mo(7)-O(43)	1.789(7)
Mo(7)-O(19)	2.065(7)	Mo(7)-O(59)	2.152(7)	Mo(7)-O(16)	2.418(6)
Mo(8)-O(62)	1.673(7)	Mo(8)-O(3)	1.862(6)	Mo(8)-O(53)	1.870(7)
Mo(8)-O(35)	2.060(6)	Mo(8)-O(44)	2.072(7)	Mo(8)-O(36)	2.242(6)
Mo(9)-O(20)	1.678(7)	Mo(9)-O(11)	1.865(6)	Mo(9)-O(47)	1.882(7)
Mo(9)-O(30)	2.041(7)	Mo(9)-O(37)	2.076(6)	Mo(9)-O(14)	2.218(6)
Mo(10)-O(28)	1.687(7)	Mo(10)-O(55)	1.772(7)	Mo(10)-O(24)	1.799(6)
Mo(10)-O(61)	2.068(7)	Mo(10)-O(34)	2.143(6)	Mo(10)-O(9)	2.416(6)
Mo(11)-O(71)	1.693(8)	Mo(11)-O(46)	1.709(8)	Mo(11)-O(1)	1.904(6)
Mo(11)-O(21)	1.955(6)	Mo(11)-O(22)	2.292(7)	Mo(11)-O(26)	2.295(7)
Mo(12)-O(63)	1.686(7)	Mo(12)-O(6)	1.870(7)	Mo(12)-O(2)	1.889(6)
Mo(12)-O(10)	1.959(7)	Mo(12)-O(4)	2.099(7)	Mo(12)-O(17)	2.276(6)
Mo(13)-O(49)	1.684(7)	Mo(13)-O(51)	1.697(7)	Mo(13)-O(21)	1.864(7)
Mo(13)-O(19)	2.044(7)	Mo(13)-O(18)	2.358(6)	Mo(13)-O(59)	2.359(6)
Mo(14)-O(66)	1.693(7)	Mo(14)-O(67)	1.791(7)	Mo(14)-O(12)	1.792(7)
Mo(14)-O(43)	2.093(7)	Mo(14)-O(64)	2.120(7)	Mo(14)-O(16)	2.415(6)
Mo(15)-O(65)	1.673(7)	Mo(15)-O(35)	1.764(7)	Mo(15)-O(64)	1.784(7)
Mo(15)-O(19)	2.061(7)	Mo(15)-O(18)	2.152(7)	Mo(15)-O(16)	2.404(7)
Mo(16)-O(72)	1.671(7)	Mo(16)-O(11)	1.870(6)	Mo(16)-O(13)	1.882(7)
Mo(16)-O(31)	2.058(6)	Mo(16)-O(42)	2.084(7)	Mo(16)-O(38)	2.233(6)
Mo(17)-O(75)	1.696(7)	Mo(17)-O(60)	1.696(8)	Mo(17)-O(33)	1.849(6)
Mo(17)-O(61)	2.027(6)	Mo(17)-O(34)	2.347(7)	Mo(17)-O(52)	2.402(7)
Mo(18)-O(2)	1.876(6)	Mo(18)-O(53)	1.899(7)	Mo(18)-O(58)	2.289(7)
Mo(18)-O(67)	2.121(6)	Mo(18)-O(73)	1.910(7)	Mo(18)-O(74)	1.671(7)
P(1)-O(38)	1.514(7)	P(2)-O(5)	1.520(7)	P(3)-O(39)	1.521(7)
P(1)-O(16)	1.576(6)	P(2)-O(14)	1.518(6)	P(3)-O(25)	1.522(7)
P(1)-O(36)	1.521(7)	P(2)-O(17)	1.537(6)	P(3)-O(54)	1.525(7)
P(1)-O(58)	1.541(6)	P(2)-O(9)	1.578(6)	P(3)-O(34)	1.570(6)
P(4)-O(76)	1.497(7)	P(5)-O(44)	1.517(7)	P(6)-O(26)	1.512(7)
P(4)-O(8)	1.529(7)	P(5)-O(22)	1.522(7)	P(6)-O(42)	1.512(7)
P(4)-O(37)	1.547(7)	P(5)-O(18)	1.551(7)	P(6)-O(59)	1.548(7)
P(4)-O(52)	1.570(7)	P(5)-O(41)	1.577(7)	P(6)-O(70)	1.589(7)
Sr(1)-O(54)	2.532(6)	Sr(1)-O(8)	2.573(7)	Sr(1)-O(26)	2.575(7)
Sr(1)-O(5)	2.609(6)	Sr(1)-O(22)	2.614(6)	Sr(1)-O(36)	2.616(6)
Sr(1)-O(38)	2.648(6)	Sr(1)-O(14)	2.656(6)	Sr(1)-O(1)	2.883(6)
Ni(1)-O(68)	2.058(7)	Ni(1)-O(76)#1	2.060(7)	Ni(1)-O(57)#1	2.125(7)
Ni(1)-O(25)	2.063(7)	Ni(1)-O(48)	2.094(7)	Ni(1)-O(29)	2.111(7)
O(45)-Mo(1)-O(7)	100.7(3)	O(15)-Mo(2)-O(56)	103.9(4)	O(23)-Mo(3)-O(30)	104.1(3)
O(45)-Mo(1)-O(47)	103.2(3)	O(15)-Mo(2)-O(4)	105.5(3)	O(23)-Mo(3)-O(27)	101.6(3)
O(45)-Mo(1)-O(10)	99.1(3)	O(15)-Mo(2)-O(27)	95.4(3)	O(23)-Mo(3)-O(61)	99.7(3)
O(45)-Mo(1)-O(56)	92.8(3)	O(15)-Mo(2)-O(24)	96.6(3)	O(23)-Mo(3)-O(52)	97.0(3)
O(45)-Mo(1)-O(17)	167.8(3)	O(15)-Mo(2)-O(9)	162.6(3)	O(23)-Mo(3)-O(9)	170.5(3)
O(32)-Mo(4)-O(13)	101.6(3)	O(29)-Mo(5)-O(57)	103.7(3)	O(40)-Mo(6)-O(3)	99.4(3)
O(32)-Mo(4)-O(7)	100.7(3)	O(29)-Mo(5)-O(1)	98.3(3)	O(40)-Mo(6)-O(6)	101.7(3)
O(32)-Mo(4)-O(73)	101.9(3)	O(29)-Mo(5)-O(33)	96.0(3)	O(40)-Mo(6)-O(55)	94.0(3)
O(32)-Mo(4)-O(12)	93.0(3)	O(29)-Mo(5)-O(8)	165.8(3)	O(40)-Mo(6)-O(39)	96.0(3)
O(32)-Mo(4)-O(58)	169.8(3)	O(29)-Mo(5)-O(54)	89.8(3)	O(40)-Mo(6)-O(5)	173.3(3)
O(50)-Mo(7)-O(31)	104.8(4)	O(62)-Mo(8)-O(3)	98.9(3)	O(20)-Mo(9)-O(11)	99.0(3)
O(50)-Mo(7)-O(43)	102.8(3)	O(62)-Mo(8)-O(53)	101.2(3)	O(20)-Mo(9)-O(47)	101.2(3)
O(50)-Mo(7)-O(19)	98.7(3)	O(62)-Mo(8)-O(35)	94.4(3)	O(20)-Mo(9)-O(30)	93.5(3)
O(50)-Mo(7)-O(59)	96.1(3)	O(62)-Mo(8)-O(44)	96.2(3)	O(20)-Mo(9)-O(37)	95.6(3)
O(50)-Mo(7)-O(16)	170.5(3)	O(62)-Mo(8)-O(36)	172.9(3)	O(20)-Mo(9)-O(14)	173.2(3)
O(28)-Mo(10)-O(55)	104.9(3)	O(71)-Mo(11)-O(46)	103.5(4)	O(63)-Mo(12)-O(6)	101.8(3)
O(28)-Mo(10)-O(24)	101.7(3)	O(71)-Mo(11)-O(1)	99.7(3)	O(63)-Mo(12)-O(2)	101.4(3)
O(28)-Mo(10)-O(61)	98.7(3)	O(71)-Mo(11)-O(21)	98.0(3)	O(63)-Mo(12)-O(10)	98.9(3)
O(28)-Mo(10)-O(34)	96.9(3)	O(71)-Mo(11)-O(22)	91.4(3)	O(63)-Mo(12)-O(4)	91.8(3)

O(28)-Mo(10)-O(9)	170.0(3)	O(71)-Mo(11)-O(26)	167.8(3)	O(63)-Mo(12)-O(17)	167.3(3)
O(49)-Mo(13)-O(51)	103.1(4)	O(66)-Mo(14)-O(67)	105.2(3)	O(65)-Mo(15)-O(35)	104.1(3)
O(49)-Mo(13)-O(21)	104.5(4)	O(66)-Mo(14)-O(12)	105.0(3)	O(65)-Mo(15)-O(64)	103.3(3)
O(49)-Mo(13)-O(19)	99.5(3)	O(66)-Mo(14)-O(43)	95.7(3)	O(65)-Mo(15)-O(19)	97.6(3)
O(49)-Mo(13)-O(18)	166.0(3)	O(66)-Mo(14)-O(64)	95.2(3)	O(65)-Mo(15)-O(18)	96.0(3)
O(49)-Mo(13)-O(59)	86.6(3)	O(66)-Mo(14)-O(16)	162.0(3)	O(65)-Mo(15)-O(16)	169.9(3)
O(72)-Mo(16)-O(11)	98.8(3)	O(75)-Mo(17)-O(60)	102.1(4)	O(74)-Mo(18)-O(2)	100.7(3)
O(72)-Mo(16)-O(13)	100.9(3)	O(75)-Mo(17)-O(33)	102.6(3)	O(74)-Mo(18)-O(53)	101.4(3)
O(72)-Mo(16)-O(31)	94.5(3)	O(75)-Mo(17)-O(61)	102.6(3)	O(74)-Mo(18)-O(73)	100.9(3)
O(72)-Mo(16)-O(42)	94.9(3)	O(75)-Mo(17)-O(34)	86.1(3)	O(74)-Mo(18)-O(67)	91.9(3)
O(72)-Mo(16)-O(38)	172.3(3)	O(75)-Mo(17)-O(52)	169.2(3)	O(74)-Mo(18)-O(58)	168.4(3)
O(38)-P(1)-O(36)	106.9(4)	O(38)-P(1)-O(58)	111.6(4)	O(38)-P(1)-O(16)	109.3(4)
O(14)-P(2)-O(5)	107.4(3)	O(14)-P(2)-O(17)	111.5(4)	O(14)-P(2)-O(9)	109.7(4)
O(39)-P(3)-O(25)	107.9(4)	O(39)-P(3)-O(54)	109.4(4)	O(39)-P(3)-O(34)	110.8(4)
O(76)-P(4)-O(8)	110.1(4)	O(76)-P(4)-O(37)	107.9(4)	O(76)-P(4)-O(52)	111.8(4)
O(44)-P(5)-O(22)	111.4(4)	O(44)-P(5)-O(18)	111.9(4)	O(44)-P(5)-O(41)	108.5(4)
O(26)-P(6)-O(42)	112.6(4)	O(26)-P(6)-O(59)	109.4(4)	O(26)-P(6)-O(70)	108.4(4)
O(54)-Sr(1)-O(8)	64.8(2)	O(54)-Sr(1)-O(26)	114.8(2)	O(54)-Sr(1)-O(5)	74.0(2)
O(54)-Sr(1)-O(22)	80.2(2)	O(54)-Sr(1)-O(36)	121.5(2)	O(54)-Sr(1)-O(38)	173.5(2)
O(54)-Sr(1)-O(14)	101.99(19)	O(54)-Sr(1)-O(1)	58.0(2)	O(68)-Ni(1)-O(57)#1	94.6(3)
O(68)-Ni(1)-O(76)#1	174.6(6)	O(68)-Ni(1)-O(25)	97.9(3)	O(68)-Ni(1)-O(48)	80.9(3)
O(68)-Ni(1)-O(29)	90.7(3)				

Symmetry transformations used to generate equivalent atoms: #1 -x,-y,-z; #2 -x+1/2,-y+1/2,-z

Table S5 Selected bond lengths (Å) and bond angles (°) of compound **5**

Mo(1)-O(46)	1.697(11)	Mo(1)-O(11)	1.772(10)	Mo(1)-O(40)	1.784(11)
Mo(1)-O(32)	2.056(10)	Mo(1)-O(49)	2.129(11)	Mo(1)-O(23)	2.418(11)
Mo(2)-O(65)	1.684(11)	Mo(2)-O(3)	1.866(11)	Mo(2)-O(28)	1.880(12)
Mo(2)-O(11)	2.037(10)	Mo(2)-O(69)	2.062(12)	Mo(2)-O(6)	2.196(10)
Mo(3)-O(61)	1.672(12)	Mo(3)-O(2)	1.879(10)	Mo(3)-O(8)	1.889(12)
Mo(3)-O(33)	2.021(11)	Mo(3)-O(47)	2.042(11)	Mo(3)-O(15)	2.202(10)
Mo(4)-O(66)	1.694(13)	Mo(4)-O(8)	1.868(12)	Mo(4)-O(1)	1.877(12)
Mo(4)-O(9)	1.951(11)	Mo(4)-O(42)	2.091(13)	Mo(4)-O(25)	2.297(11)
Mo(5)-O(44)	1.686(12)	Mo(5)-O(26)	1.750(11)	Mo(5)-O(38)	1.871(11)
Mo(5)-O(5)	1.988(10)	Mo(5)-O(10)	2.178(11)	Mo(5)-O(27)	2.231(10)
Mo(6)-O(72)	1.676(11)	Mo(6)-O(16)	1.769(11)	Mo(6)-O(29)	1.795(12)
Mo(6)-O(34)	2.064(12)	Mo(6)-O(14)	2.160(11)	Mo(6)-O(24)	2.395(11)
Mo(7)-O(30)	1.674(12)	Mo(7)-O(59)	1.783(11)	Mo(7)-O(56)	1.792(12)
Mo(7)-O(34)	2.059(12)	Mo(7)-O(60)	2.126(11)	Mo(7)-O(24)	2.404(10)
Mo(8)-O(55)	1.678(13)	Mo(8)-O(67)	1.729(13)	Mo(8)-O(71)	1.929(12)
Mo(8)-O(38)	1.936(11)	Mo(8)-O(52)	2.244(12)	Mo(8)-O(17)	2.305(10)
Mo(9)-O(50)	1.678(11)	Mo(9)-O(33)	1.790(11)	Mo(9)-O(22)	1.806(11)
Mo(9)-O(32)	2.068(11)	Mo(9)-O(13)	2.146(11)	Mo(9)-O(23)	2.410(10)
Mo(10)-O(70)	1.671(12)	Mo(10)-O(1)	1.883(12)	Mo(10)-O(62)	1.899(11)
Mo(10)-O(57)	1.947(12)	Mo(10)-O(35)	2.045(12)	Mo(10)-O(20)	2.304(11)
Mo(11)-O(54)	1.694(12)	Mo(11)-O(68)	1.710(12)	Mo(11)-O(5)	1.840(11)
Mo(11)-O(32)	2.059(11)	Mo(11)-O(49)	2.296(10)	Mo(11)-O(13)	2.323(10)
Mo(12)-O(63)	1.676(12)	Mo(12)-O(21)	1.864(13)	Mo(12)-O(3)	1.869(11)
Mo(12)-O(16)	2.028(11)	Mo(12)-O(4)	2.056(12)	Mo(12)-O(37)	2.256(10)
Mo(13)-O(36)	1.665(11)	Mo(13)-O(62)	1.858(11)	Mo(13)-O(2)	1.859(10)
Mo(13)-O(59)	2.043(11)	Mo(13)-O(19)	2.089(12)	Mo(13)-O(41)	2.206(10)
Mo(14)-O(43)	1.673(11)	Mo(14)-O(7)	1.879(11)	Mo(14)-O(28)	1.891(12)
Mo(14)-O(9)	1.961(11)	Mo(14)-O(39)	2.063(11)	Mo(14)-O(25)	2.311(11)
Mo(15)-O(53)	1.683(12)	Mo(15)-O(51)	1.706(12)	Mo(15)-O(71)	1.876(12)
Mo(15)-O(34)	2.033(13)	Mo(15)-O(14)	2.305(11)	Mo(15)-O(60)	2.350(10)

Mo(16)-O(48)	1.691(12)	Mo(16)-O(39)	1.797(11)	Mo(16)-O(42)	1.799(12)
Mo(16)-O(40)	2.057(11)	Mo(16)-O(22)	2.104(11)	Mo(16)-O(23)	2.397(11)
Mo(17)-O(45)	1.684(12)	Mo(17)-O(7)	1.878(11)	Mo(17)-O(21)	1.884(13)
Mo(17)-O(57)	1.981(13)	Mo(17)-O(12)	2.068(11)	Mo(17)-O(20)	2.313(11)
Mo(18)-O(58)	1.668(12)	Mo(18)-O(12)	1.786(12)	Mo(18)-O(35)	1.813(13)
Mo(18)-O(29)	2.063(12)	Mo(18)-O(56)	2.093(12)	Mo(18)-O(24)	2.415(11)
P(1)-O(37)	1.507(11)	P(1)-O(20)	1.516(12)	P(2)-O(6)	1.518(11)
P(1)-O(41)	1.520(11)	P(1)-O(24)	1.581(11)	P(2)-O(25)	1.518(11)
P(2)-O(15)	1.531(10)	P(3)-O(18)	1.518(10)	P(3)-O(47)	1.531(11)
P(2)-O(23)	1.583(10)	P(3)-O(27)	1.526(10)	P(3)-O(13)	1.556(11)
P(4)-O(52)	1.509(12)	P(4)-O(64)	1.532(12)	P(5)-O(17)	1.494(11)
P(4)-O(4)	1.520(12)	P(4)-O(14)	1.557(11)	P(5)-O(19)	1.500(12)
P(5)-O(31)	1.551(11)	P(6)-O(69)	1.514(11)	P(6)-O(10)	1.522(10)
P(5)-O(60)	1.562(11)	P(6)-O(73)	1.515(11)	P(6)-O(49)	1.566(11)
Sr(1)-O(27)	2.533(10)	Sr(1)-O(17)	2.590(10)	Sr(1)-O(10)	2.592(10)
Sr(1)-O(52)	2.601(11)	Sr(1)-O(37)	2.625(10)	Sr(1)-O(41)	2.663(11)
Sr(1)-O(6)	2.663(10)	Sr(1)-O(15)	2.677(10)	Sr(1)-O(38)	2.814(11)
Zn(1)-O(18)#1	1.958(11)	Zn(1)-O(18)	1.958(11)	Zn(1)-O(74)	2.05(3)
Zn(1)-O(26)#1	2.087(11)	Zn(1)-O(26)	2.087(11)	Zn(2)-O(31)	2.116(12)
Zn(2)-O(67)#1	1.916(13)	Zn(2)-O(67)	1.916(13)	Zn(2)-O(31)#1	2.116(12)
O(46)-Mo(1)-O(11)	104.0(5)	O(65)-Mo(2)-O(3)	97.8(5)	O(61)-Mo(3)-O(2)	98.2(5)
O(46)-Mo(1)-O(40)	103.9(5)	O(65)-Mo(2)-O(28)	100.0(6)	O(61)-Mo(3)-O(8)	102.5(5)
O(46)-Mo(1)-O(32)	99.2(5)	O(65)-Mo(2)-O(11)	94.7(5)	O(61)-Mo(3)-O(33)	93.4(5)
O(46)-Mo(1)-O(49)	97.5(5)	O(65)-Mo(2)-O(69)	95.8(5)	O(61)-Mo(3)-O(47)	94.9(5)
O(46)-Mo(1)-O(23)	171.4(5)	O(65)-Mo(2)-O(6)	174.0(5)	O(61)-Mo(3)-O(15)	172.0(5)
O(66)-Mo(4)-O(8)	101.8(6)	O(44)-Mo(5)-O(26)	101.9(6)	O(72)-Mo(6)-O(16)	104.6(6)
O(66)-Mo(4)-O(1)	100.4(6)	O(44)-Mo(5)-O(38)	99.6(5)	O(72)-Mo(6)-O(29)	102.1(6)
O(66)-Mo(4)-O(9)	99.6(6)	O(44)-Mo(5)-O(5)	95.9(5)	O(72)-Mo(6)-O(34)	98.0(5)
O(66)-Mo(4)-O(42)	93.1(6)	O(44)-Mo(5)-O(10)	92.4(5)	O(72)-Mo(6)-O(14)	97.2(6)
O(66)-Mo(4)-O(25)	169.1(6)	O(44)-Mo(5)-O(27)	169.1(5)	O(72)-Mo(6)-O(24)	169.9(5)
O(30)-Mo(7)-O(59)	104.6(6)	O(55)-Mo(8)-O(67)	103.3(7)	O(50)-Mo(9)-O(33)	104.4(5)
O(30)-Mo(7)-O(56)	102.5(6)	O(55)-Mo(8)-O(71)	98.6(6)	O(50)-Mo(9)-O(22)	101.7(5)
O(30)-Mo(7)-O(34)	97.9(5)	O(55)-Mo(8)-O(38)	99.2(6)	O(50)-Mo(9)-O(32)	98.7(5)
O(30)-Mo(7)-O(60)	96.0(5)	O(55)-Mo(8)-O(52)	91.2(6)	O(50)-Mo(9)-O(13)	97.5(5)
O(30)-Mo(7)-O(24)	170.1(5)	O(55)-Mo(8)-O(17)	168.1(5)	O(50)-Mo(9)-O(23)	170.4(5)
O(70)-Mo(10)-O(1)	99.9(6)	O(54)-Mo(11)-O(68)	102.9(6)	O(63)-Mo(12)-O(21)	100.6(6)
O(70)-Mo(10)-O(62)	101.5(6)	O(54)-Mo(11)-O(5)	103.7(6)	O(63)-Mo(12)-O(3)	99.3(6)
O(70)-Mo(10)-O(57)	100.3(6)	O(54)-Mo(11)-O(32)	99.7(5)	O(63)-Mo(12)-O(16)	95.4(5)
O(70)-Mo(10)-O(35)	94.2(6)	O(54)-Mo(11)-O(49)	166.6(5)	O(63)-Mo(12)-O(4)	97.1(6)
O(70)-Mo(10)-O(20)	169.5(6)	O(54)-Mo(11)-O(13)	86.0(5)	O(63)-Mo(12)-O(37)	174.6(5)
O(36)-Mo(13)-O(62)	101.0(6)	O(43)-Mo(14)-O(7)	100.0(6)	O(53)-Mo(15)-O(51)	100.9(7)
O(36)-Mo(13)-O(2)	98.4(5)	O(43)-Mo(14)-O(28)	100.8(5)	O(53)-Mo(15)-O(71)	104.0(6)
O(36)-Mo(13)-O(59)	93.7(5)	O(43)-Mo(14)-O(9)	101.4(5)	O(53)-Mo(15)-O(34)	99.2(6)
O(36)-Mo(13)-O(19)	94.6(5)	O(43)-Mo(14)-O(39)	93.3(5)	O(53)-Mo(15)-O(14)	86.8(5)
O(36)-Mo(13)-O(41)	172.1(5)	O(43)-Mo(14)-O(25)	170.4(5)	O(53)-Mo(15)-O(60)	166.6(6)
O(48)-Mo(16)-O(39)	105.7(6)	O(45)-Mo(17)-O(7)	99.1(6)	O(58)-Mo(18)-O(12)	105.1(6)
O(48)-Mo(16)-O(42)	102.2(6)	O(45)-Mo(17)-O(21)	102.3(6)	O(58)-Mo(18)-O(35)	105.2(7)
O(48)-Mo(16)-O(40)	97.8(5)	O(45)-Mo(17)-O(57)	100.9(6)	O(58)-Mo(18)-O(29)	97.0(6)
O(48)-Mo(16)-O(22)	94.1(5)	O(45)-Mo(17)-O(12)	94.1(5)	O(58)-Mo(18)-O(56)	96.0(6)
O(48)-Mo(16)-O(23)	162.5(5)	O(45)-Mo(17)-O(20)	169.8(5)	O(58)-Mo(18)-O(24)	163.0(6)
O(37)-P(1)-O(20)	111.4(6)	O(6)-P(2)-O(25)	111.4(6)	O(18)-P(3)-O(27)	110.2(6)
O(37)-P(1)-O(41)	107.8(6)	O(6)-P(2)-O(15)	108.3(6)	O(18)-P(3)-O(47)	109.7(6)
O(37)-P(1)-O(24)	109.5(6)	O(6)-P(2)-O(23)	108.8(6)	O(18)-P(3)-O(13)	109.6(6)
O(52)-P(4)-O(4)	109.3(6)	O(17)-P(5)-O(19)	111.1(6)	O(69)-P(6)-O(73)	110.5(7)
O(52)-P(4)-O(64)	111.6(7)	O(17)-P(5)-O(31)	111.4(6)	O(69)-P(6)-O(10)	109.5(6)
O(52)-P(4)-O(14)	107.8(6)	O(17)-P(5)-O(60)	109.6(6)	O(69)-P(6)-O(49)	110.3(6)
O(27)-Sr(1)-O(17)	82.5(3)	O(27)-Sr(1)-O(10)	64.6(3)	O(27)-Sr(1)-O(52)	116.7(4)

O(27)-Sr(1)-O(37)	169.7(3)	O(27)-Sr(1)-O(41)	118.6(3)	O(27)-Sr(1)-O(6)	100.3(3)
O(27)-Sr(1)-O(15)	72.0(3)	O(27)-Sr(1)-O(38)	58.8(3)	O(18)#1-Zn(1)-O(18)	110.4(7)
O(18)#1-Zn(1)-O(74)	124.8(3)	O(18)#1-Zn(1)-O(26)#1	94.3(5)	O(18)#1-Zn(1)-O(26)	93.2(5)
O(67)#1-Zn(2)-O(67)	165.1(8)	O(67)#1-Zn(2)-O(31)#1	103.0(5)	O(67)#1-Zn(2)-O(31)	83.8(5)

Symmetry transformations used to generate equivalent atoms: #1 -x,-y,-z; #2 -x+1/2,-y+1/2,-z

Table S6 Selected Hydrogen Bond Lengths (Å) and Bond Angles (°) of complexes **1-5**

	D-H...A	d(D-H)	d(H...A)	<D-H...A	d(D...A)	Symmetry
1	O41-H41A...O33	0.85	3.24	91.8	3.38(4)	
	O41-H41B...O36	0.85	3.07	90.1	3.19(4)	[x, y, z-1]
	O41-H41B...O39	0.85	2.82	117.0	3.30(4)	[-x+1/2, -y+1, z-1/2]
	O1W-H1WA...O9	0.85	2.95	107.0	3.30(5)	[-x+1/2, y-1/2, z+1/2]
	O2W-H2WB...O16	0.85	3.33	85.0	3.37(3)	[x, -y+1/2, z]
	O2W-H2WA...O28	0.85	2.55	122.8	3.10(3)	[x, -y+1/2, z+1]
	N2-H2...O24	0.86	2.00	160.4	2.82(4)	[x, y, z+1]
2	O54- H54A...O50	0.85	2.55	115.0	3.008(8)	
	O54- H54A...O20	0.85	2.26	154.6	3.045(8)	
	O53- H53B... O26	0.85	2.24	133.0	3.009(7)	[-x+1, y+1/2, -z+1]
	O53- H53B... O10	0.85	2.55	112.8	2.982(8)	[-x+1, y+1/2, -z+1]
	O53- H53B... O1	0.85	2.56	141.6	3.265(7)	[-x+1, y+1/2, -z+1]
	N2-H2-O9	0.86	2.07	176.7	2.926(9)	[x+1, y, z+1]
	O1W-H1WB-O56	0.85	2.25	143.3	2.975(9)	[x, y, z+1]
	N7-H7-O1W	0.86	1.95	153.4	2.746(12)	[-x+1, y-1/2, -z+1]
	O2W-H2WA-O57	0.85	2.51	89.2	2.643(9)	[x, y-1, z]
	O2W-H2WB-O68	0.85	2.49	122.5	3.028(10)	[x, y-1, z]
	N8-H8-O62	0.86	2.42	128.0	3.030(12)	[x+1, y, z+1]
	N9-H9-O55	0.86	2.62	136.9	3.302(12)	[-x+1, y-1/2, -z+1]
	N9-H9-O33	0.86	2.64	128.5	3.248(11)	[-x+1, y+1/2, -z+1]
	N11- H40-O45	0.86	2.61	110.9	3.027(14)	[x, y-1, z]
	N10-H10-O25	0.86	2.21	143.9	2.946(12)	[x+1, y-1, z]
	N10-H10-O36	0.86	2.52	121.4	3.054(11)	[-x+2, y-1/2, -z+1]
3	N1-H1A...O1W	0.86	1.99	155.4	2.799(17)	
	O69-H69A...O19	0.85	2.32	146.9	3.064(11)	
	O32-H32B...O30	0.85	2.84	89.0	2.953(11)	
	O2W-H2WB...O56	0.85	2.53	114.0	2.974(14)	[-x+1, y+1/2, -z]
	O2W-H2WA...O52	0.85	2.37	137.2	3.053(16)	[x-1, y, z]
	O1W-H1WB...O49	0.85	2.51	142.3	3.223(14)	[-x+1, y-1/2, -z]
	O1W-H1WB...O59	0.85	2.29	137.4	2.968(14)	[-x+1, y-1/2, -z]
	O1W-H1WA...O63	0.85	2.55	130.8	3.175(15)	[x-1, y, z]
	N9-H9A...O45	0.86	2.42	128.6	3.034(19)	[-x+1, y+1/2, -z]
	N4-H4A...O71	0.86	2.51	123.0	3.066(15)	[-x+2, y-1/2, -z+1]
	N4-H4A...O46	0.86	2.21	141.6	2.933(17)	[x, y-1, z]
	O69-H69B...O71	0.85	3.18	85.3	3.227(11)	[-x+2,y+1/2,-z+1]
	O32-H32C...O50	0.85	2.54	125.9	3.114(12)	[-x+2,y+1/2, -z+1]
	O32-H32C...O1	0.85	2.50	149.3	3.259(12)	[-x+2, y+1/2, -z+1]
	O32-H32C...O26	0.85	2.29	141.8	3.006(11)	[-x+2,y+1/2, -z+1]

4	O48-H48A...O29	0.85	2.72	90.2	2.853(10)	
	O68-H68A...O22	0.85	2.40	141.3	3.114(11)	
	O68-H68A...O71	0.85	2.62	139.4	3.314(12)	
	O2W-H2WA...O51	0.85	2.48	108.4	2.866(12)	
	O1W-H1WA...O49	0.85	3.09	96.0	3.291(13)	
	O48-H48B...O26	0.85	2.37	134.0	3.028(10)	$[-x+1, y-1/2, -z+1]$
	O48-H48B...O46	0.85	2.43	137.2	3.107(11)	$[-x+1, y-1/2, -z+1]$
	O48-H48B...O1	0.85	2.49	146.8	3.235(10)	$[-x+1, y-1/2, -z+1]$
	O68-H68B...O57	0.85	2.99	87.5	3.074(11)	$[-x+1, y-1/2, -z+1]$
	O2W-H2WB...O66	0.85	2.48	118.6	2.985(11)	$[-x+1, y-1/2, -z]$
	O1W-H1WB...O67	0.85	2.12	168.1	2.961(12)	$[-x+1, y+1/2, -z]$
5	O5W-H5WB...O45	0.85	2.52	95.5	2.73(2)	
	O74-H74A...O67	0.85	2.18	152.3	2.96(2)	
	N5-H5...O6W	0.86	2.28	144.8	3.02(5)	
	N2-H2...O73	0.86	2.08	157.9	2.90(2)	$[-x, -y+1, -z+1]$
	N2-H2...O44	0.86	2.46	111.3	2.89(2)	$[-x, -y+1, -z+1]$
	N2-H2...O5	0.86	2.61	116.3	3.09(2)	$[-x, -y+1, -z+1]$
	N4-H4...O68	0.86	1.99	169.3	2.84(2)	$[x+1/2, y+1/2, z]$
	N5-H5...O19	0.86	2.59	133.9	3.24(2)	$[-x+1, y, -z+1/2]$
	N7-H7...O71	0.86	2.54	125.4	3.11(3)	$[x+1/2, y-1/2, z]$
	N10-H10A...O1W	0.86	1.80	168.1	2.65(4)	$[-x+1, y, -z+1/2]$
	O74-H74B...O67	0.85	2.18	152.3	2.96(2)	$[-x, y, -z+1/2]$
	O2W-H2WA...O64	0.85	2.53	106.5	2.89(2)	$[-x+1/2, -y+3/2, -z+1]$
	O2W-H2WA...O46	0.85	2.85	105.2	3.18(2)	$[x+1/2, y+1/2, z]$
	O3W-H3WA...O69	0.85	2.38	109.5	2.78(2)	$[-x+1, -y+1, -z+1]$
	O3W-H3WA...O55	0.85	2.96	99.3	3.21(3)	$[x+1, y, z]$
	O3W-H3WB...O10	0.85	2.32	159.7	3.13(2)	$[x+1, y, z]$
	O4W-H4WA...O61	0.85	2.35	140.5	3.05(3)	$[x, -y+1, z+1/2]$
	O4W-H4WB...O26	0.85	2.16	138.6	2.86(4)	$[-x, -y+1, -z+1]$
	O6W-H6WB...O19	0.85	2.28	151.3	3.05(5)	$[-x+1, y, -z+1/2]$

3. Physical characterization

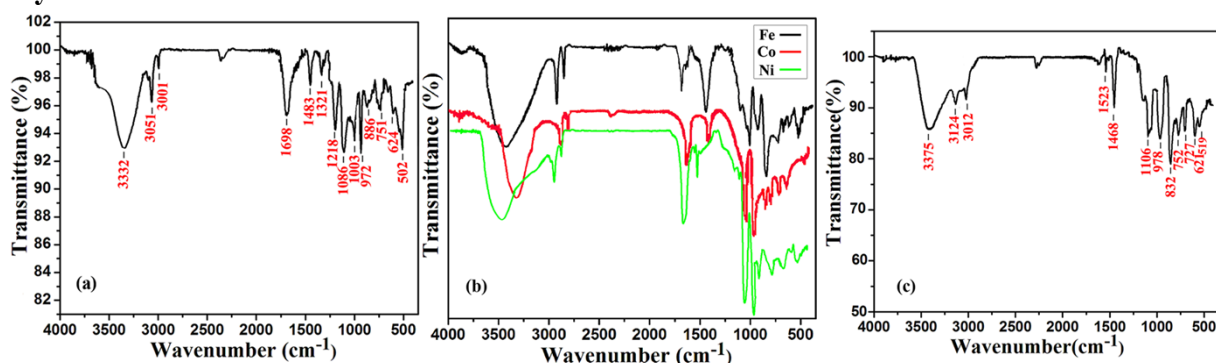


Fig. S13 IR spectra of (a) compound 1, (b) Fe for compound 2, Co for compound 3, and Ni for 4, (c) compound 5.

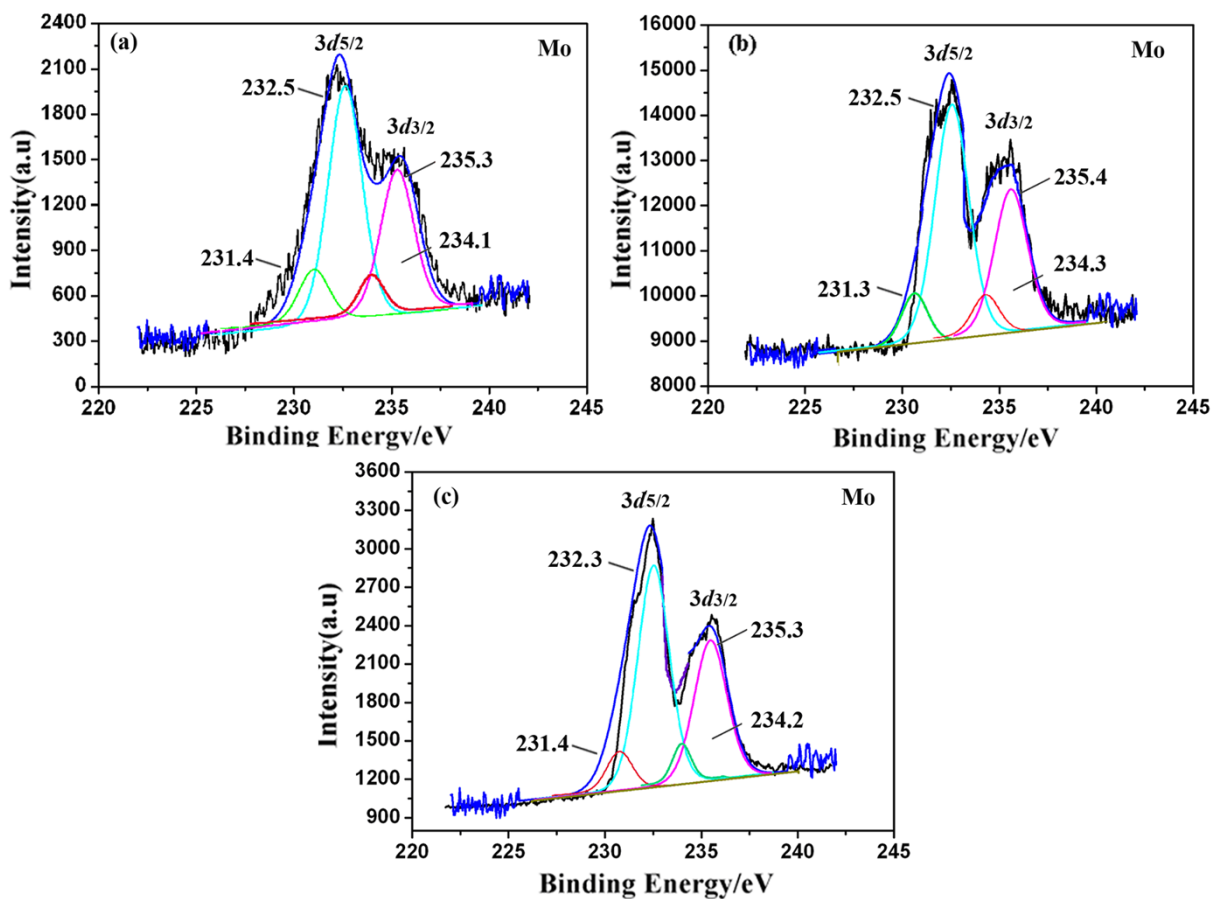


Fig. S14 The XPS spectrum of (a) compound 1, (b) compound 2, and (c) compound 5

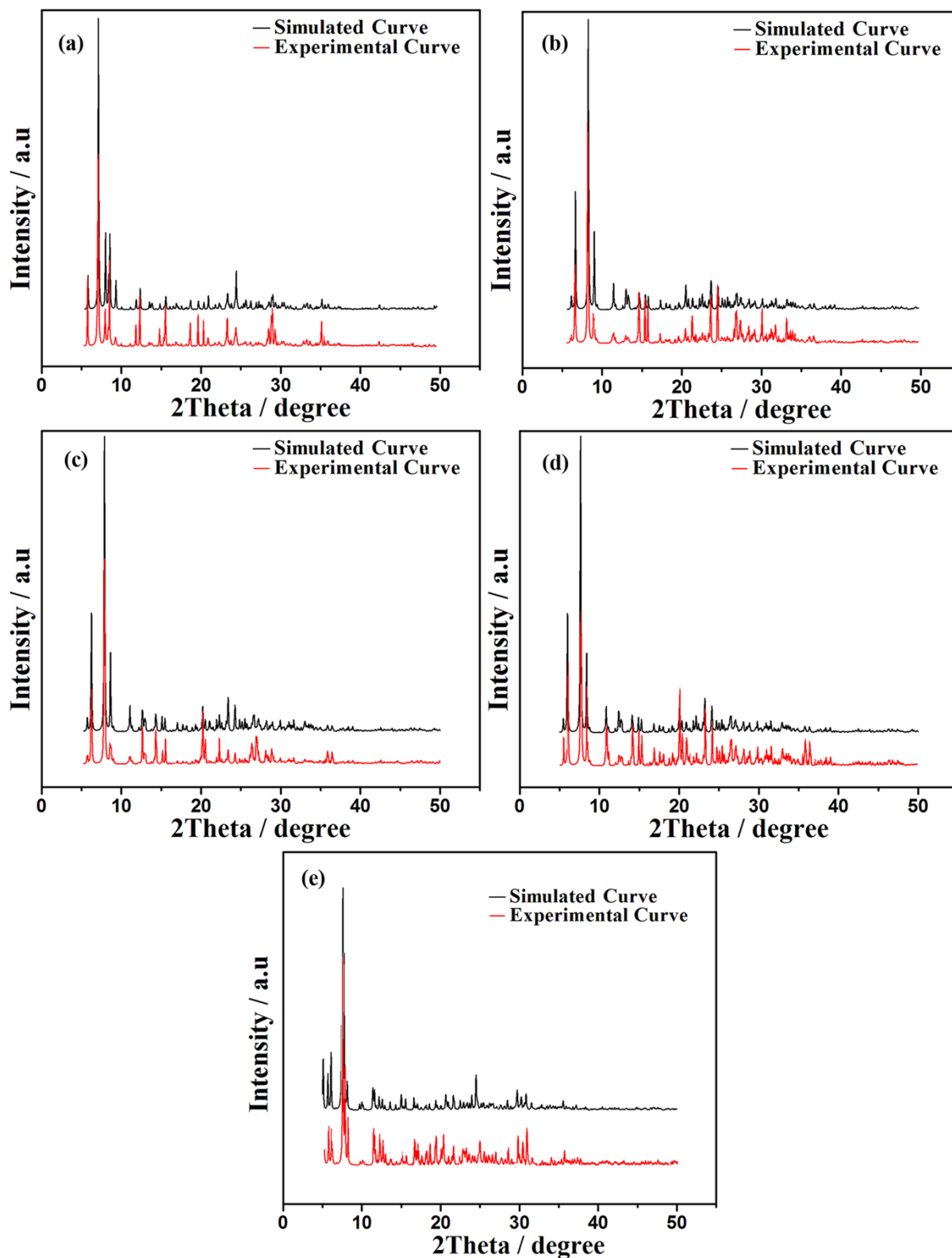


Fig. S15 The PXRD contrast curves of (a) compound 1, (b) compound 2, (c) compound 3, (d) compound 4, and (e) compound 5

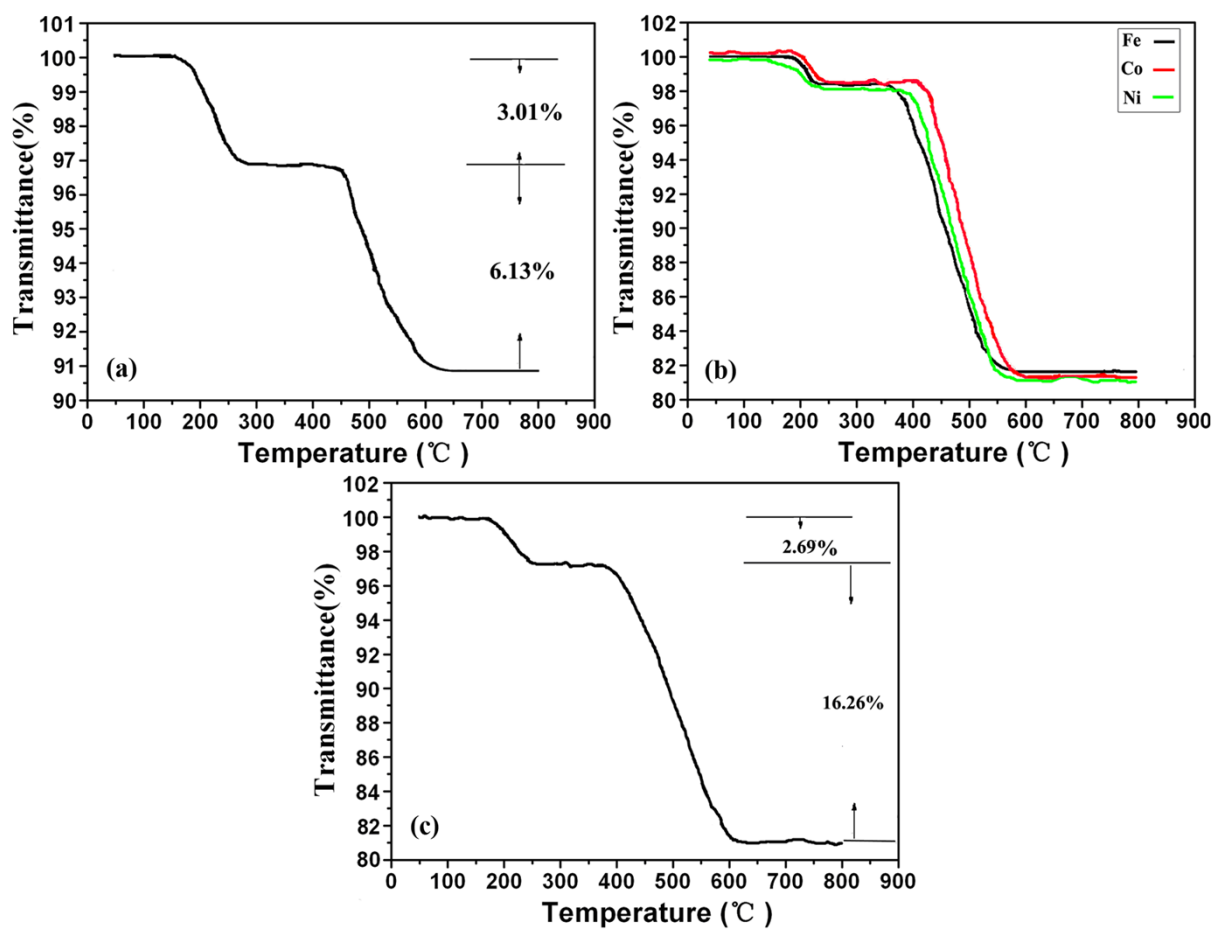


Fig. S16 TG of (a) compound 1, (b) Fe for compound 2, Co for compound 3, and Ni for 4, (c) compound 5.

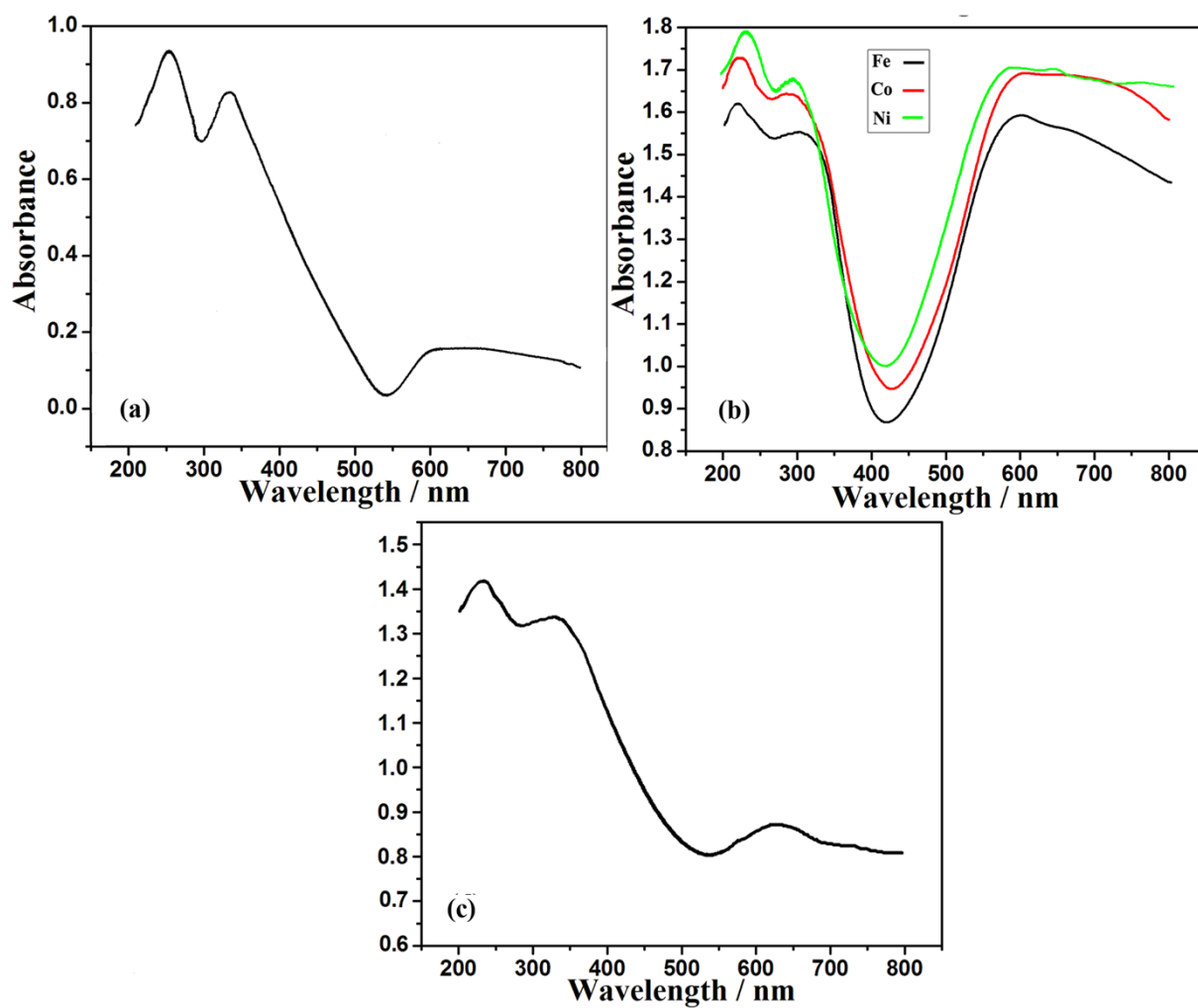


Fig. S17 The UV-vis spectra of (a) compound 1, (b) Fe for compound 2, Co for compound 3, and Ni for 4, (c) compound 5 in solid state at room temperature.

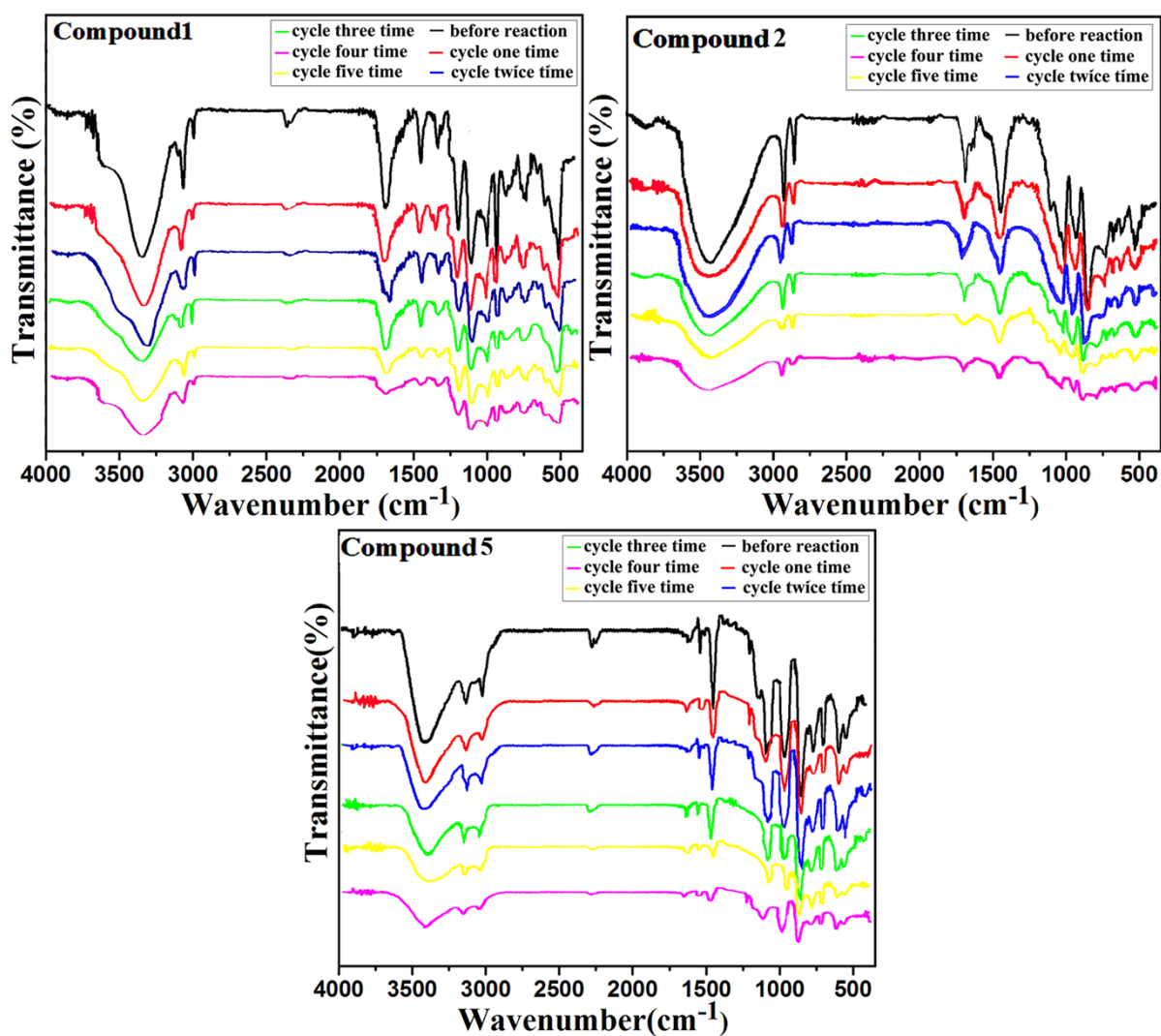


Figure S18 The IR spectra of catalyst 1, 2, and 5 before and after cycle reaction

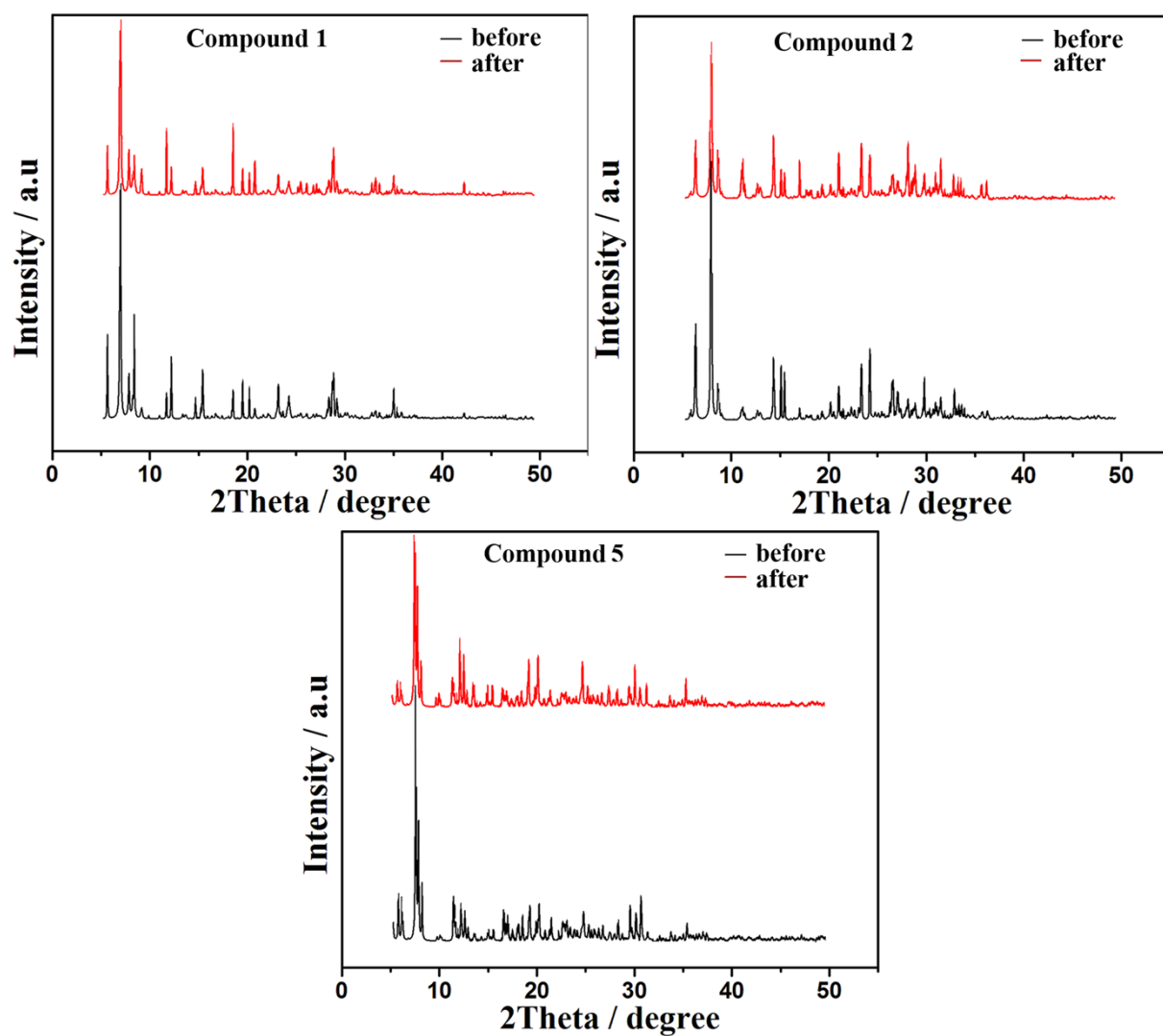


Figure S19 The XRD patterns of catalyst 1, 2, and 5 before and after cycle five time.

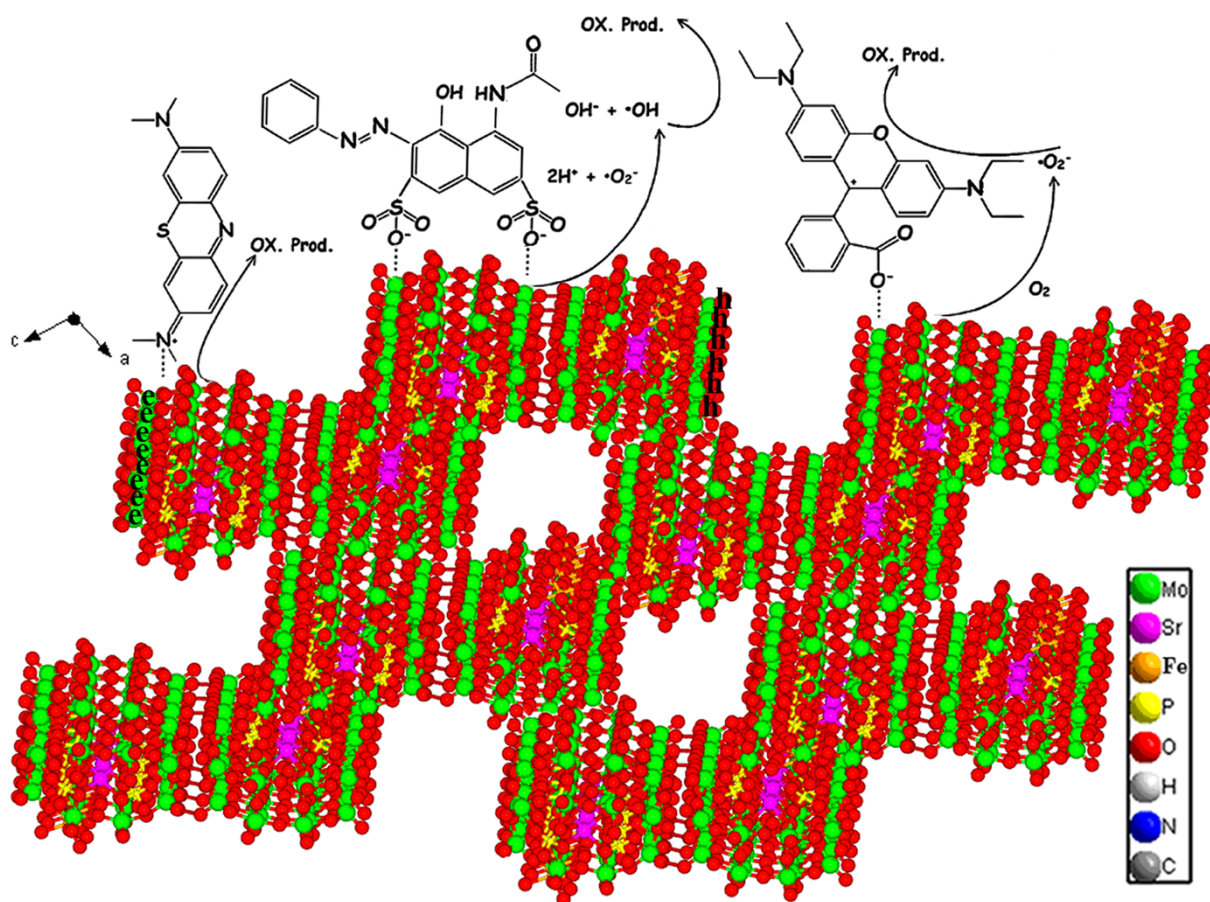


Figure S20 The degradation schematic of MB, RhB, and AP on the surface of compound 2.

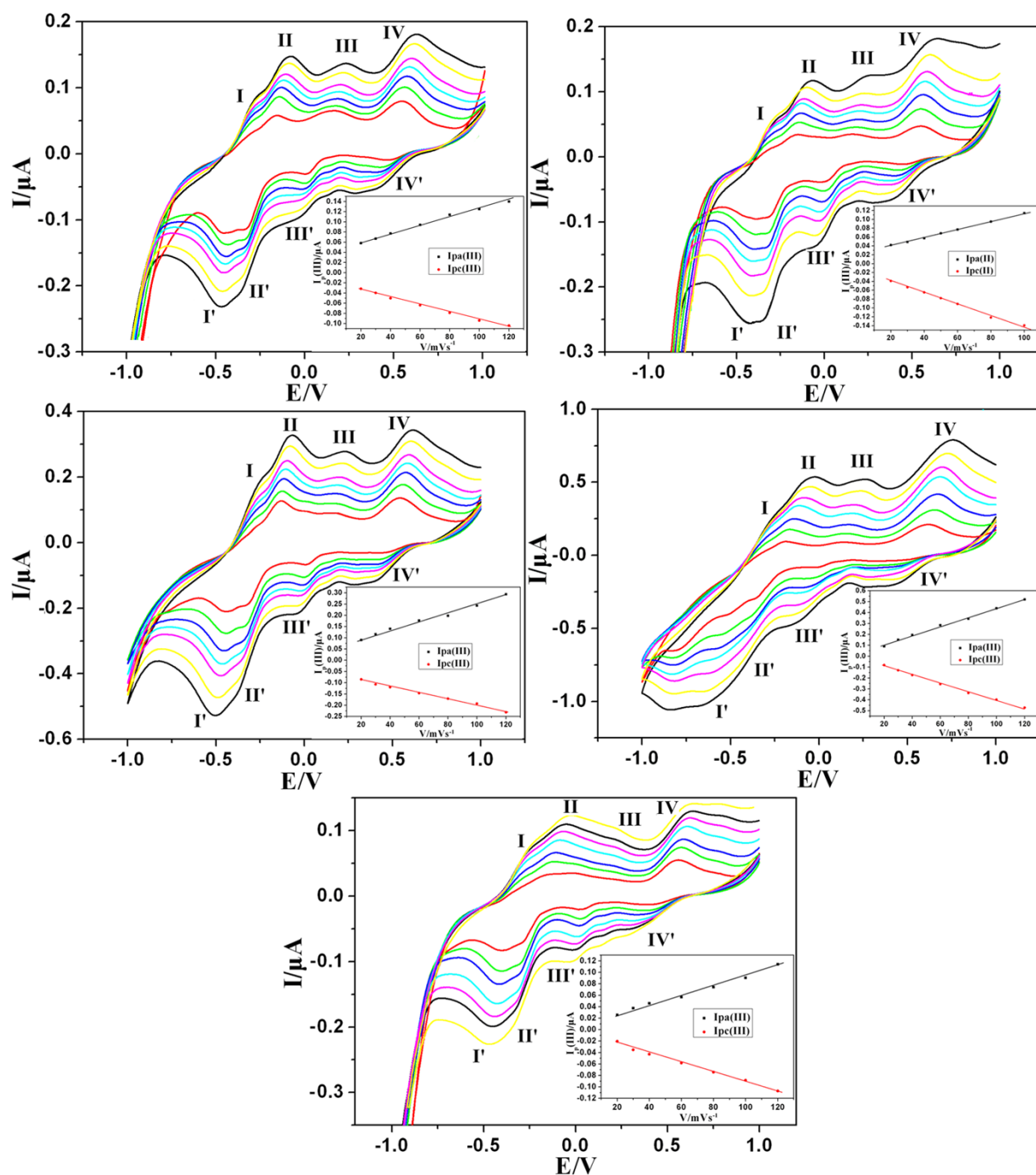


Figure S21 Cyclic voltammograms of (a) **1-CPE**, (b) **2-CPE**, (c) **3-CPE**, (d) **4-CPE**, and (e) **5-CPE** in the 1.0 M H_2SO_4 solution at scan rate of 20 mV s^{-1} ; scan rates (from inner to outer: $20, 30, 40, 60, 80, 100,$ and 120 mV s^{-1}). Potentials vs. SCE. (Insert plots: The dependence of anodic and cathodic peak III current on scan rates.); The CV of **1-CPE** show **four** reversible redox peaks in the potential range $+1.0$ to -1.0 V . The mean peak potentials [$E_{1/2} = (E_{\text{pa}} + E_{\text{pc}})/2$] are **$+0.46, +0.13, -0.20,$ and -0.34 V** for **1**, **$+0.48, +0.09, -0.25,$ and -0.35 V** for **2**, **$+0.48, +0.12, -0.25,$ and -0.35 V** for **3**, **$+0.49, +0.05, -0.27,$ and -0.33 V** for **4**, **$+0.51, +0.12, -0.19,$ and -0.29 V** for **5**, respectively (based on the CV at 20 mV s^{-1}), which ascribed to four consecutive two-electron processes of basket $[\text{Sr}(\text{P}_6\text{Mo}_{18}\text{O}_{73})]^{8-}$ heteropolymolybdate framework. The dependence of anodic and cathodic peak III current on scan rates. The peak currents were proportional to the scan rate when the scan rate is varied from 20 to 120 mV s^{-1} , indicating that the redox process of the **1-5-CPE** are surface-controlled.