

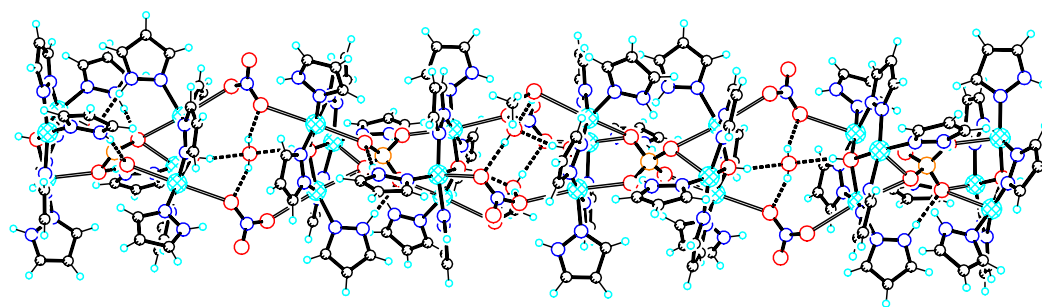


Fig. S1 Perspective view of the 1D coordination chain along the *c*-axis in **1**.

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

Cu(1)-N(6)	1.942(5)	Cu(4)-N(18)	1.950(5)
Cu(1)-N(1)	1.957(5)	Cu(4)-N(13)	1.952(5)
Cu(1)-O(1)	2.007(4)	Cu(4)-O(2)	2.000(3)
Cu(1)-N(7)	2.013(5)	Cu(4)-N(19)	2.025(5)
Cu(1)-O(3)	2.459(4)	Cu(4)-O(5)	2.437(3)
Cu(1)-O(9)	2.682(5)	Cu(4)-O(11b)	2.703(5)
Cu(2)-N(3)	1.956(5)	Cu(5)-N(14)	1.949(5)
Cu(2)-N(2)	1.961(5)	Cu(5)-N(15)	1.963(5)
Cu(2)-O(1)	1.991(3)	Cu(5)-O(2)	1.999(3)
Cu(2)-N(9)	2.007(5)	Cu(5)-N(21)	2.001(5)
Cu(2)-O(4)	2.367(3)	Cu(5)-O(6)	2.515(3)
Cu(3)-N(5)	1.951(5)	Cu(6)-N(17)	1.926(5)
Cu(3)-N(4)	1.969(5)	Cu(6)-N(16)	1.931(5)
Cu(3)-O(1)	1.999(4)	Cu(6)-O(2)	1.986(3)
Cu(3)-N(11)	2.002(5)	Cu(6)-N(23)	2.009(5)
Cu(3)-O(4)	2.612(4)	Cu(6)-O(6)	2.528(4)
Cu(3)-O(8a)	2.718(5)	Cu(6)-O(10)	2.660(4)
N(6)-Cu(1)-N(1)	176.3(2)	N(18)-Cu(4)-N(13)	176.3(2)
N(6)-Cu(1)-O(1)	87.27(17)	N(18)-Cu(4)-O(2)	88.53(17)
N(1)-Cu(1)-O(1)	89.19(19)	N(13)-Cu(4)-O(2)	87.75(17)
N(6)-Cu(1)-N(7)	92.7(2)	N(18)-Cu(4)-N(19)	91.0(2)
N(1)-Cu(1)-N(7)	90.7(2)	N(13)-Cu(4)-N(19)	92.7(2)
O(1)-Cu(1)-N(7)	175.81(17)	O(2)-Cu(4)-N(19)	176.08(17)
N(6)-Cu(1)-O(3)	89.21(16)	N(18)-Cu(4)-O(5)	89.95(16)
N(1)-Cu(1)-O(3)	91.97(16)	N(13)-Cu(4)-O(5)	90.35(16)
O(1)-Cu(1)-O(3)	92.44(13)	O(2)-Cu(4)-O(5)	95.10(13)
N(7)-Cu(1)-O(3)	91.75(17)	N(19)-Cu(4)-O(5)	88.79(16)
N(6)-Cu(1)-O(9)	85.90(18)	N(18)-Cu(4)-O(11b)	90.51(17)
N(1)-Cu(1)-O(9)	93.16(18)	N(13)-Cu(4)-O(11b)	89.68(17)

O(1)-Cu(1)-O(9)	91.29(15)	O(2)-Cu(4)-O(11b)	92.46(14)
N(7)-Cu(1)-O(9)	84.53(18)	N(19)-Cu(4)-O(11b)	83.65(18)
O(3)-Cu(1)-O(9)	173.70(15)	O(5)-Cu(4)-O(11b)	172.44(14)
N(3)-Cu(2)-N(2)	168.94(19)	N(14)-Cu(5)-N(15)	165.09(19)
N(3)-Cu(2)-O(1)	88.62(17)	N(14)-Cu(5)-O(2)	89.20(17)
N(2)-Cu(2)-O(1)	89.34(18)	N(15)-Cu(5)-O(2)	88.64(17)
N(3)-Cu(2)-N(9)	94.2(2)	N(14)-Cu(5)-N(21)	90.4(2)
N(2)-Cu(2)-N(9)	89.6(2)	N(15)-Cu(5)-N(21)	94.8(2)
O(1)-Cu(2)-N(9)	170.58(17)	O(2)-Cu(5)-N(21)	167.96(16)
N(3)-Cu(2)-O(4)	84.77(17)	N(14)-Cu(5)-O(6)	111.14(16)
N(2)-Cu(2)-O(4)	105.47(17)	N(15)-Cu(5)-O(6)	82.56(15)
O(1)-Cu(2)-O(4)	78.56(13)	O(2)-Cu(5)-O(6)	75.60(12)
N(9)-Cu(2)-O(4)	92.72(16)	N(21)-Cu(5)-O(6)	93.36(15)
N(5)-Cu(3)-N(4)	164.96(19)	N(17)-Cu(6)-N(16)	170.76(19)
N(5)-Cu(3)-O(1)	88.20(17)	N(17)-Cu(6)-O(2)	88.70(17)
N(4)-Cu(3)-O(1)	88.74(18)	N(16)-Cu(6)-O(2)	88.77(17)
N(5)-Cu(3)-N(11)	92.2(2)	N(17)-Cu(6)-N(23)	91.5(2)
N(4)-Cu(3)-N(11)	94.9(2)	N(16)-Cu(6)-N(23)	93.4(2)
O(1)-Cu(3)-N(11)	163.70(17)	O(2)-Cu(6)-N(23)	164.02(17)
N(5)-Cu(3)-O(4)	113.76(16)	N(17)-Cu(6)-O(6)	102.74(16)
N(4)-Cu(3)-O(4)	79.24(15)	N(16)-Cu(6)-O(6)	85.22(16)
O(1)-Cu(3)-O(4)	72.63(13)	O(2)-Cu(6)-O(6)	75.51(12)
N(11)-Cu(3)-O(4)	92.41(15)	N(23)-Cu(6)-O(6)	88.88(16)
N(5)-Cu(3)-O(8a)	86.95(17)	N(17)-Cu(6)-O(10)	84.39(17)
N(4)-Cu(3)-O(8a)	80.18(17)	N(16)-Cu(6)-O(10)	87.69(17)
O(1)-Cu(3)-O(8a)	109.28(15)	O(2)-Cu(6)-O(10)	105.06(14)
N(11)-Cu(3)-O(8a)	87.01(17)	N(23)-Cu(6)-O(10)	90.85(17)
O(4)-Cu(3)-O(8a)	159.29(13)	O(6)-Cu(6)-O(10)	172.88(14)
Cu(2)-O(1)-Cu(3)	106.22(16)	Cu(6)-O(2)-Cu(5)	105.96(15)
Cu(2)-O(1)-Cu(1)	113.24(17)	Cu(6)-O(2)-Cu(4)	114.56(16)
Cu(3)-O(1)-Cu(1)	111.40(16)	Cu(5)-O(2)-Cu(4)	109.85(16)
Cu(2)-O(4)-Cu(3)	79.57(10)	Cu(5)-O(6)-Cu(6)	78.24(10)

Symmetry codes for **1**: *a*) -x, y, -z+1/2; *b*) -x-1/2, -y+3/2, -z.

Table S2. Selected bond lengths (Å) and angles (°) for **2**.

Cu(1)-N(6)	1.955(7)	Cu(4)-N(13)	1.949(7)
Cu(1)-N(1)	1.970(7)	Cu(4)-N(18)	1.964(7)
Cu(1)-O(1)	2.004(5)	Cu(4)-O(2)	2.002(5)
Cu(1)-N(7)	2.012(7)	Cu(4)-N(19)	2.024(7)
Cu(1)-O(3)	2.386(6)	Cu(4)-O(5)	2.313(6)
Cu(1)-Cu(2)	3.3180(14)	Cu(4)-O(16)	2.891(8)
Cu(1)-Cu(3)	3.3563(14)	Cu(4)-Cu(6)	3.2638(13)
Cu(2)-N(3)	1.943(6)	Cu(4)-Cu(5)	3.3516(14)

Cu(2)-N(2)	1.945(7)	Cu(5)-N(15)	1.951(7)
Cu(2)-O(1)	1.995(5)	Cu(5)-N(14)	1.960(7)
Cu(2)-N(9)	2.024(7)	Cu(5)-O(2)	1.988(5)
Cu(2)-O(4)	2.537(5)	Cu(5)-N(21)	2.015(7)
Cu(2)-O(9a)	2.712(7)	Cu(5)-O(6)	2.373(5)
Cu(2)-Cu(3)	3.2218(14)	Cu(5)-O(10)	2.758(9)
Cu(3)-N(4)	1.945(6)	Cu(5)-Cu(6)	3.1815(13)
Cu(3)-N(5)	1.952(7)	Cu(6)-N(17)	1.941(7)
Cu(3)-O(1)	2.018(5)	Cu(6)-N(16)	1.956(7)
Cu(3)-N(11)	2.033(7)	Cu(6)-O(2)	1.980(5)
Cu(3)-O(4)	2.447(5)	Cu(6)-N(23)	1.998(7)
Cu(3)-O(13)	2.629(9)	Cu(6)-O(6)	2.687(6)
Ag(1)-N(25)	2.163(8)	Ag(1)-O(7a)	2.895(7)
Ag(1)-O(7)	2.411(7)	Ag(2)-N(27)	2.130(11)
Ag(1)-C(2)	2.441(8)	Ag(3)-N(29)	2.095(8)
N(6)-Cu(1)-N(1)	176.7(3)	N(13)-Cu(4)-N(18)	172.8(3)
N(6)-Cu(1)-O(1)	88.8(2)	N(13)-Cu(4)-O(2)	88.1(2)
N(1)-Cu(1)-O(1)	88.1(2)	N(18)-Cu(4)-O(2)	87.2(2)
N(6)-Cu(1)-N(7)	90.8(3)	N(13)-Cu(4)-N(19)	90.3(3)
N(1)-Cu(1)-N(7)	92.2(3)	N(18)-Cu(4)-N(19)	94.6(3)
O(1)-Cu(1)-N(7)	175.8(3)	O(2)-Cu(4)-N(19)	176.6(3)
N(6)-Cu(1)-O(3)	95.0(3)	N(13)-Cu(4)-O(5)	95.7(2)
N(1)-Cu(1)-O(3)	86.2(3)	N(18)-Cu(4)-O(5)	90.0(2)
O(1)-Cu(1)-O(3)	95.3(2)	O(2)-Cu(4)-O(5)	92.3(2)
N(7)-Cu(1)-O(3)	88.9(3)	N(19)-Cu(4)-O(5)	84.9(2)
N(3)-Cu(2)-N(2)	167.4(3)	N(13)-Cu(4)-O(16)	82.8(2)
N(3)-Cu(2)-O(1)	88.0(3)	N(18)-Cu(4)-O(16)	92.1(2)
N(2)-Cu(2)-O(1)	89.2(2)	O(2)-Cu(4)-O(16)	94.8(2)
N(3)-Cu(2)-N(9)	94.1(3)	N(19)-Cu(4)-O(16)	88.0(2)
N(2)-Cu(2)-N(9)	92.1(3)	O(5)-Cu(4)-O(16)	172.7(2)
O(1)-Cu(2)-N(9)	163.5(2)	N(15)-Cu(5)-N(14)	169.9(3)
N(3)-Cu(2)-O(4)	82.7(2)	N(15)-Cu(5)-O(2)	88.6(2)
N(2)-Cu(2)-O(4)	108.2(2)	N(14)-Cu(5)-O(2)	88.3(2)
O(1)-Cu(2)-O(4)	72.5(2)	N(15)-Cu(5)-N(21)	94.8(3)
N(9)-Cu(2)-O(4)	91.6(2)	N(14)-Cu(5)-N(21)	89.9(3)
N(3)-Cu(2)-O(9a)	87.3(2)	O(2)-Cu(5)-N(21)	170.7(3)
N(2)-Cu(2)-O(9a)	82.6(2)	N(15)-Cu(5)-O(6)	84.8(2)
O(1)-Cu(2)-O(9a)	114.3(2)	N(14)-Cu(5)-O(6)	104.1(2)
N(9)-Cu(2)-O(9a)	82.1(2)	O(2)-Cu(5)-O(6)	79.4(2)
O(4)-Cu(2)-O(9a)	167.76(18)	N(21)-Cu(5)-O(6)	92.2(2)
N(4)-Cu(3)-N(5)	169.5(3)	N(15)-Cu(5)-O(10)	81.4(3)
N(4)-Cu(3)-O(1)	88.6(2)	N(14)-Cu(5)-O(10)	89.6(3)
N(5)-Cu(3)-O(1)	88.1(3)	O(2)-Cu(5)-O(10)	98.9(3)

N(4)-Cu(3)-N(11)	95.2(3)	N(21)-Cu(5)-O(10)	90.1(3)
N(5)-Cu(3)-N(11)	90.4(3)	O(6)-Cu(5)-O(10)	166.1(2)
O(1)-Cu(3)-N(11)	165.1(2)	N(17)-Cu(6)-N(16)	160.9(3)
N(4)-Cu(3)-O(4)	83.6(2)	N(17)-Cu(6)-O(2)	89.2(2)
N(5)-Cu(3)-O(4)	105.1(2)	N(16)-Cu(6)-O(2)	89.2(2)
O(1)-Cu(3)-O(4)	74.2(2)	N(17)-Cu(6)-N(23)	92.6(3)
N(11)-Cu(3)-O(4)	92.0(2)	N(16)-Cu(6)-N(23)	94.8(3)
N(4)-Cu(3)-O(13)	86.4(3)	O(2)-Cu(6)-N(23)	161.9(3)
N(5)-Cu(3)-O(13)	85.2(3)	N(17)-Cu(6)-O(6)	115.6(2)
O(1)-Cu(3)-O(13)	109.0(3)	N(16)-Cu(6)-O(6)	81.9(2)
N(11)-Cu(3)-O(13)	85.6(3)	O(2)-Cu(6)-O(6)	72.0(2)
O(4)-Cu(3)-O(13)	169.5(2)	N(23)-Cu(6)-O(6)	91.0(2)
N(25)-Ag(1)-O(7)	136.8(3)	Cu(2)-O(1)-Cu(1)	112.2(3)
N(25)-Ag(1)-C(2)	140.2(3)	Cu(2)-O(1)-Cu(3)	106.8(2)
O(7)-Ag(1)-C(2)	82.1(3)	Cu(1)-O(1)-Cu(3)	113.1(3)
N(25)-Ag(1)-O(7a)	80.6(3)	Cu(6)-O(2)-Cu(5)	106.6(2)
O(7)-Ag(1)-O(7a)	83.8(2)	Cu(6)-O(2)-Cu(4)	110.1(2)
C(2)-Ag(1)-O(7a)	100.0(2)	Cu(5)-O(2)-Cu(4)	114.3(3)
N(27b)-Ag(2)-N(27)	180.0(5)	Cu(3)-O(4)-Cu(2)	80.52(16)
N(29)-Ag(3)-N(29c)	180.0(5)	Cu(5)-O(6)-Cu(6)	77.64(17)

Symmetry codes for **2**: a) -x+1, -y, -z+1; b) -x+1, -y+1, -z; c) -x, -y, -z.

Table S3. Selected bond lengths (Å) and angles (°) for **3**.

Ag(1)-O(2w)	2.380(3)	Cu(2)-N(9)	2.021(3)
Ag(1)-O(1w)	2.407(3)	Cu(2)-O(3w)	2.299(3)
Ag(1)-C(2)	2.502(4)	Cu(2)-O(7)	2.737(3)
Ag(1)-C(5a)	2.544(4)	Cu(3)-N(4)	1.950(3)
Cu(1)-N(1)	1.951(3)	Cu(3)-N(5)	1.954(3)
Cu(1)-N(6)	1.951(3)	Cu(3)-N(11)	1.994(3)
Cu(1)-O(1)	1.999(2)	Cu(3)-O(1)	2.003(2)
Cu(1)-N(7)	2.023(3)	Cu(3)-O(10)	2.551(3)
Cu(1)-O(2)	2.401(3)	Cu(3)-O(7)	2.644(3)
Cu(1)-O(6)	2.872(3)	Cu(1)-Cu(3)	3.3624(7)
Cu(2)-N(2)	1.952(3)	Cu(1)-Cu(2)	3.3720(6)
Cu(2)-N(3)	1.965(3)	Cu(2)-Cu(3)	3.3017(6)
Cu(2)-O(1)	2.019(2)		
O(2w)-Ag(1)-O(1w)	123.20(10)	N(3)-Cu(2)-O(3w)	92.67(12)
O(2w)-Ag(1)-C(2)	124.54(12)	O(1)-Cu(2)-O(3w)	102.96(10)
O(1w)-Ag(1)-C(2)	98.96(11)	N(9)-Cu(2)-O(3w)	89.37(11)
O(2w)-Ag(1)-C(5a)	105.96(11)	N(2)-Cu(2)-O(7)	102.77(10)
O(1w)-Ag(1)-C(5a)	99.61(11)	N(3)-Cu(2)-O(7)	76.04(11)
C(2)-Ag(1)-C(5a)	99.70(13)	O(1)-Cu(2)-O(7)	72.21(9)

N(1)-Cu(1)-N(6)	177.08(13)	N(9)-Cu(2)-O(7)	95.88(11)
N(1)-Cu(1)-O(1)	89.04(11)	O(3w)-Cu(2)-O(7)	167.56(9)
N(6)-Cu(1)-O(1)	88.45(11)	N(4)-Cu(3)-N(5)	177.09(13)
N(1)-Cu(1)-N(7)	92.47(12)	N(4)-Cu(3)-N(11)	90.52(13)
N(6)-Cu(1)-N(7)	89.87(13)	N(5)-Cu(3)-N(11)	90.63(13)
O(1)-Cu(1)-N(7)	173.82(11)	N(4)-Cu(3)-O(1)	90.14(11)
N(1)-Cu(1)-O(2)	84.06(11)	N(5)-Cu(3)-O(1)	89.12(11)
N(6)-Cu(1)-O(2)	97.48(11)	N(11)-Cu(3)-O(1)	171.39(11)
O(1)-Cu(1)-O(2)	91.35(10)	N(4)-Cu(3)-O(10)	89.87(11)
N(7)-Cu(1)-O(2)	94.77(12)	N(5)-Cu(3)-O(10)	87.39(11)
N(1)-Cu(1)-O(6)	92.20(10)	N(11)-Cu(3)-O(10)	93.71(11)
N(6)-Cu(1)-O(6)	86.38(10)	O(1)-Cu(3)-O(10)	94.87(9)
O(1)-Cu(1)-O(6)	91.47(9)	N(4)-Cu(3)-O(7)	78.12(11)
N(7)-Cu(1)-O(6)	82.48(10)	N(5)-Cu(3)-O(7)	104.38(11)
O(2)-Cu(1)-O(6)	175.28(9)	N(11)-Cu(3)-O(7)	97.14(11)
N(2)-Cu(2)-N(3)	178.31(13)	O(1)-Cu(3)-O(7)	74.61(9)
N(2)-Cu(2)-O(1)	88.95(11)	O(10)-Cu(3)-O(7)	163.83(9)
N(3)-Cu(2)-O(1)	89.54(11)	Cu(1)-O(1)-Cu(3)	114.34(12)
N(2)-Cu(2)-N(9)	90.53(12)	Cu(1)-O(1)-Cu(2)	114.14(11)
N(3)-Cu(2)-N(9)	90.78(13)	Cu(3)-O(1)-Cu(2)	110.39(11)
O(1)-Cu(2)-N(9)	167.63(11)	Cu(3)-O(7)-Cu(2)	75.67(7)
N(2)-Cu(2)-O(3w)	88.40(11)		

Symmetry codes for **3**: *a*) $x, -y+1, z-1/2$.