

Table S1. Selected bond lengths (Å) and angles (deg.) of  $[(\text{CuBr})_2(\text{bpy})]_n$  (bpy=2,2'-bipyridine)

Br(1)-Cu(1)	2.6350(10)
Br(1)-Cu(2)	2.3511(12)
Br(1)-Cu(1B)	2.3343(9)
Br(2)-Cu(2)	2.3887(12)
Br(2)-Cu(2A)	2.3532(11)
Cu(1)-N(1)	2.018(4)
Cu(1)-N(2)	2.066(5)
Cu(1)-Br(1A)	2.3343(9)
Cu(2)-Br(2B)	2.3532(11)
Cu(2)-Br(1)-Cu(1)	95.92(3)
Cu(1)B-Br(1)-Cu(1)	103.41(3)
Cu(1)B-Br(1)-Cu(2)	89.89(3)
Cu(2A)-Br(2)-Cu(2)	110.85(5)
N(1)-Cu(1)-N(2)	80.91(17)
N(1)-Cu(1)-Br(1)	104.51(12)
N(2)-Cu(1)-Br(1)	101.16(13)
N(1)-Cu(1)-Br(1A)	139.47(12)
N(2)-Cu(1)-Br(1A)	121.36(12)
Br(1A)-Cu(1)-Br(1)	103.41(3)
Br(1)-Cu(2)-Br(2)	120.13(4)

A = (1+x,y,z); B = (-1+x,y,z)