

Fig. S1 (a) Hexamer and decamer pores included in $(\text{Cu}_3)_n$ network and (b) the H-bonded decameric pore in bipyrazole network reported in 2003.

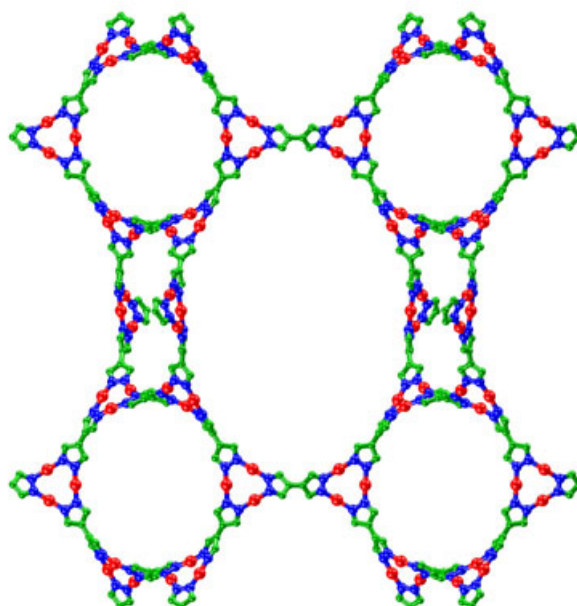


Fig. S2 The organization of hexamer and decamer pores

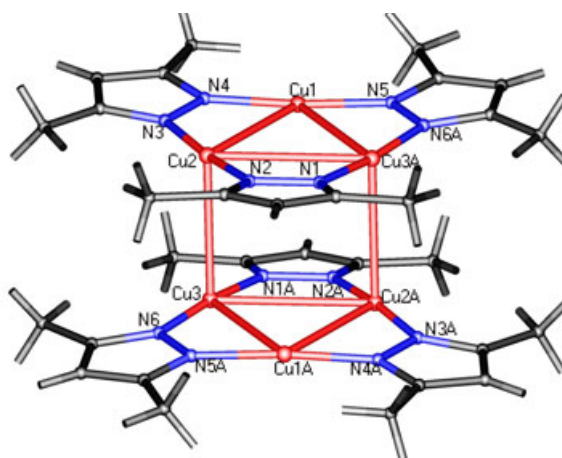


Fig. S3 Dimeric staggered stacking pattern of **1**, highlighting the strong Cu-Cu interaction..

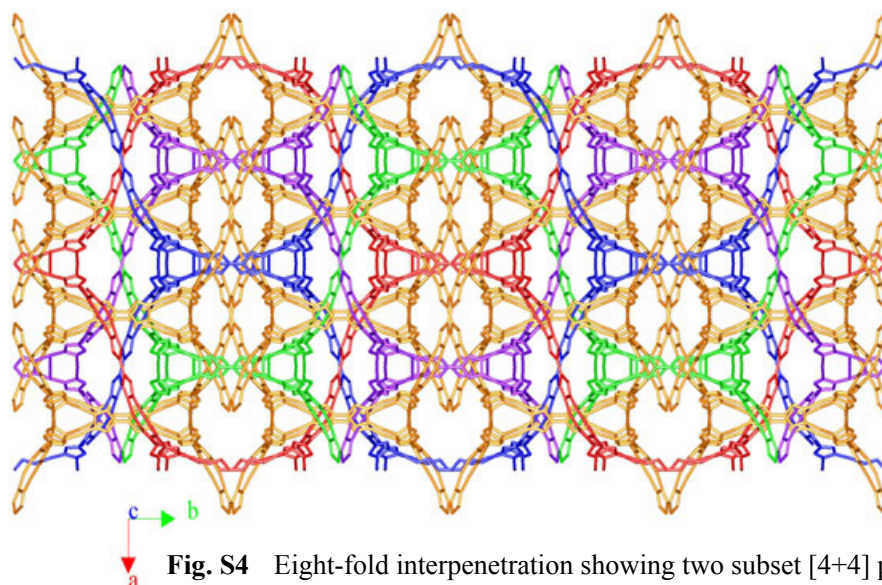


Fig. S4 Eight-fold interpenetration showing two subset [4+4] pattern.

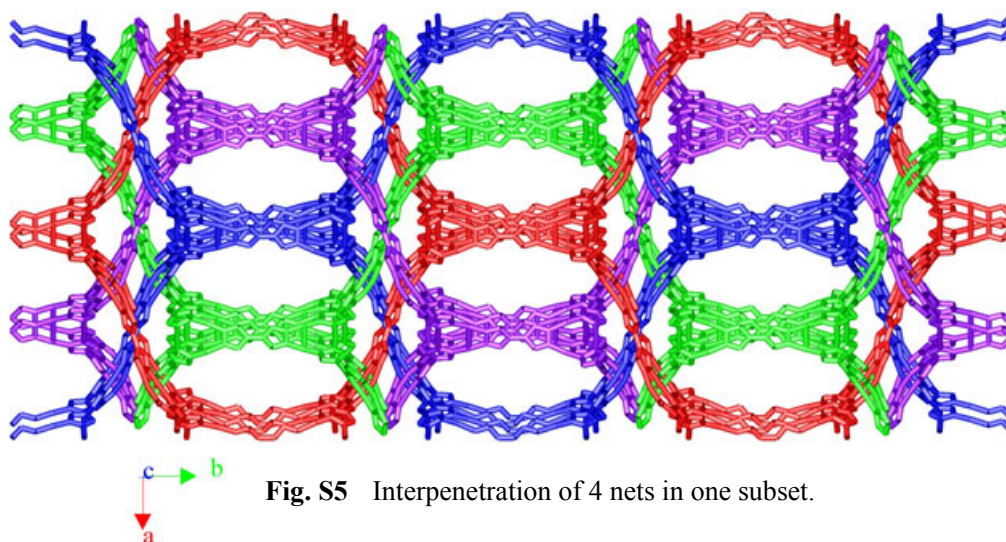


Fig. S5 Interpenetration of 4 nets in one subset.

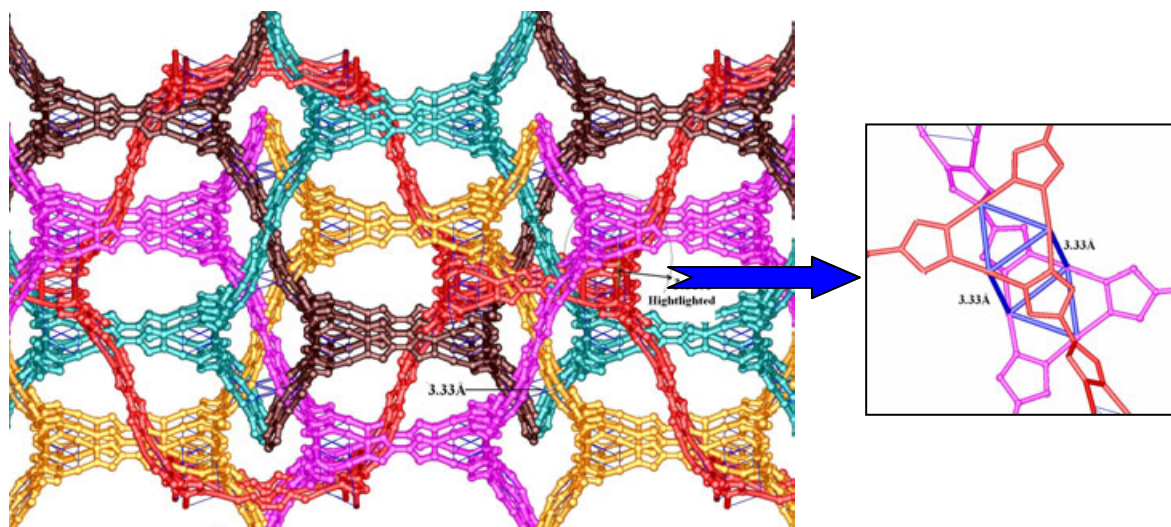


Fig. S6 The interpenetrated networks showing intra- and inter-molecular Cu-Cu interaction colored in blue line and highlighting its stagger pattern.