

Electronic Supplementary Information (ESI) for:

**Confined condensation synthesis and magnetic properties of
layered copper hydroxide frameworks**

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Supplementary Figure 1

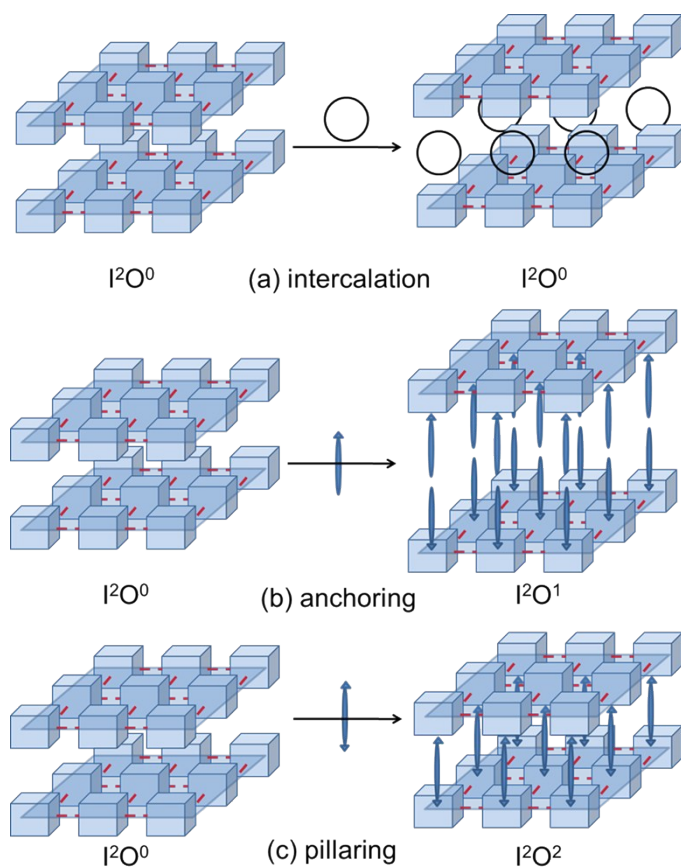


Figure S1. Schematic diagrams of the three kinds of intercalation processes according to Cheetham's classification of hybrid inorganic-organic frameworks: (a) intercalation, (b) anchoring, and (c) pillaring. The square blocks and the dotted red lines represent the inorganic components and the bonding between the inorganic components respectively. I^nO^m is a hybrid inorganic-organic framework classification as proposed by Cheetham et al.³

Supplementary Figure 2

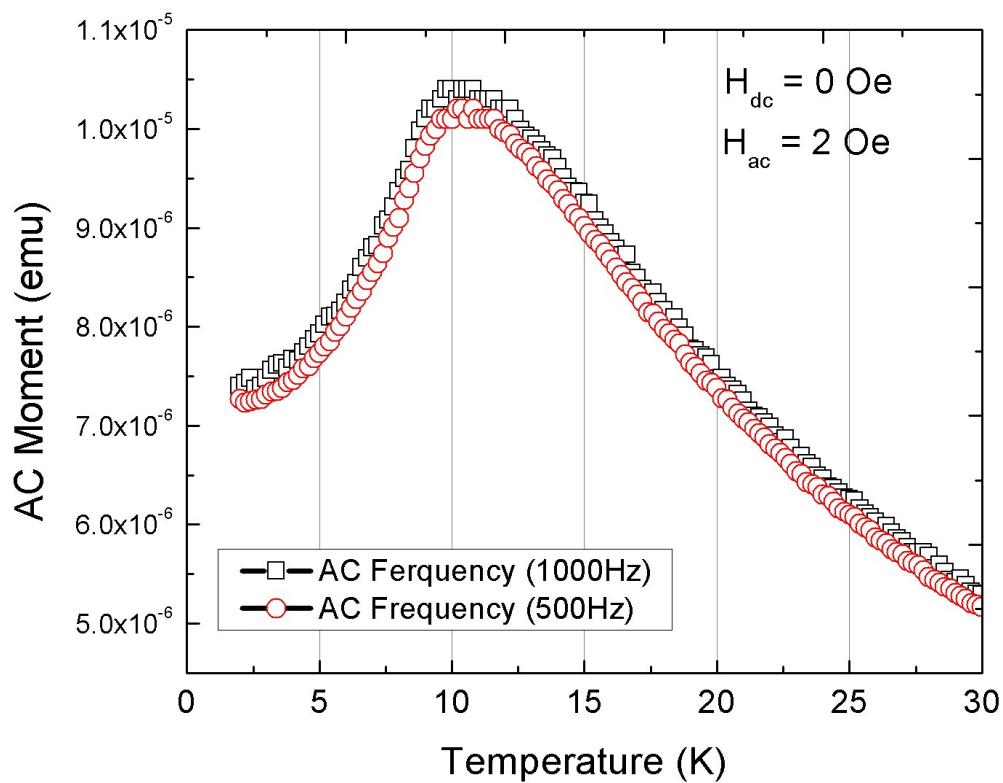


Figure S2. The temperature dependence of the AC magnetic susceptibilities of Cu-OH-DS, measured at AC field, $H_{ac} = H_0 \sin(2\pi ft)$ for $H_0 = 2 \text{ Oe}$ and $f = 500$ and 1000 Hz .

Supplementary Figure 3

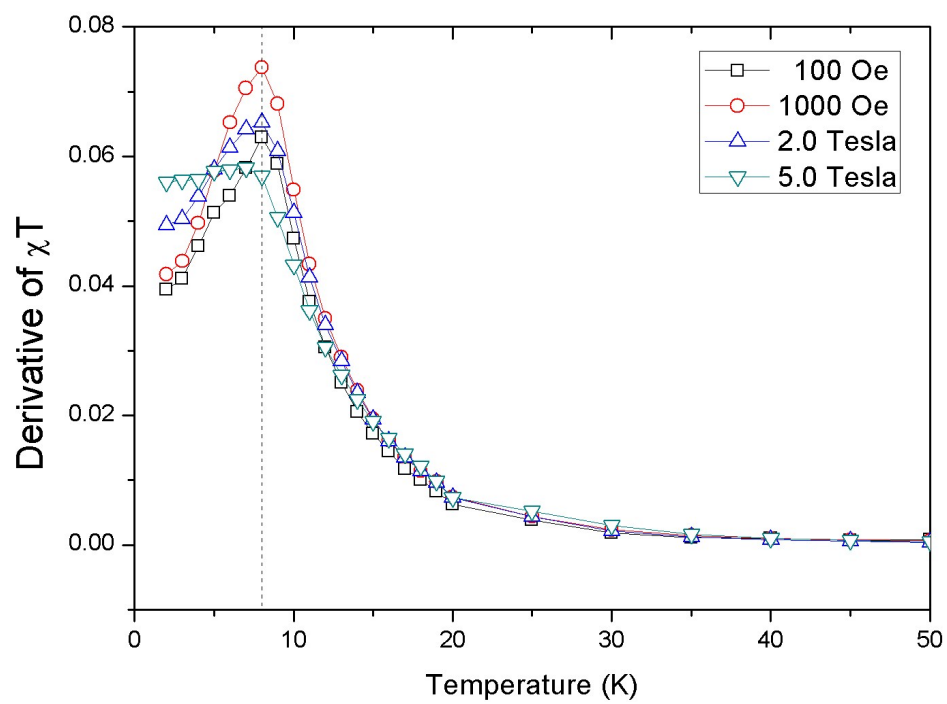


Figure S3. Derivatives of χT for Cu-OH-DS under various applied magnetic fields.