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Electronic Supplementary Information (ESI)

## The first in situ organosulfonate-templated 3-fold interpenetrating framework built from rare tetrahedral $[Cu_4(\mu_4-SO_4)]$ SBUs

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Fig. S1. Views of the channels after interpenetration along the [100], [001] and the [101] directions.

Fig. S2. IR spectrum of 1.

Fig. S3. TG curve of 1.

Fig. S4. The PXRD patterns of 1 at different temperatures.

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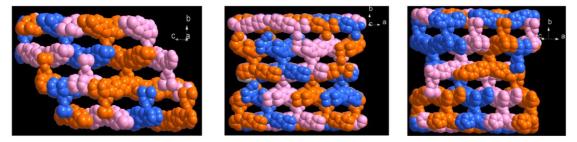
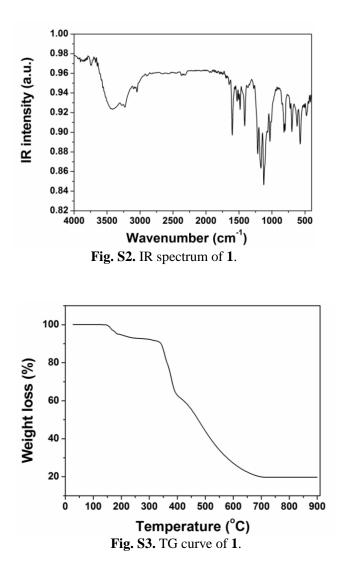


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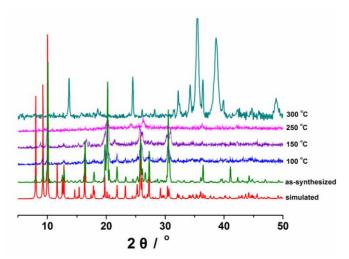


Fig. S4. The PXRD patterns of 1 at different temperatures.