

ESI for PCCP

**Rapid syntheses of a metal–organic framework material
 $\text{Cu}_3(\text{BTC})_2(\text{H}_2\text{O})_3$ under microwave: A quantitative analysis of
accelerated syntheses**

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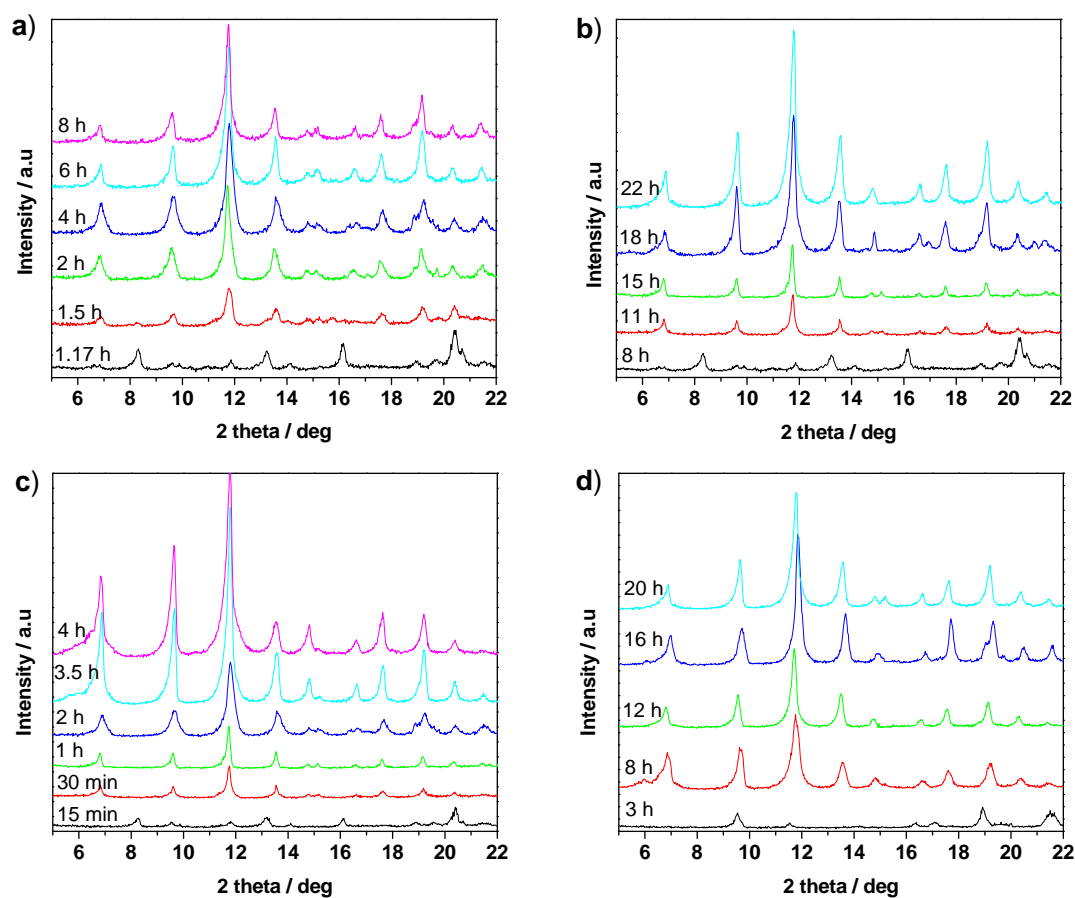


Fig. S1. Changes of XRD patterns of Cu-BTC with reaction time, synthesized at (a) 100 °C by MW irradiation; (b) 100 °C by CE heating; (c) 110 °C by MW irradiation and (d) 110 °C by CE heating.

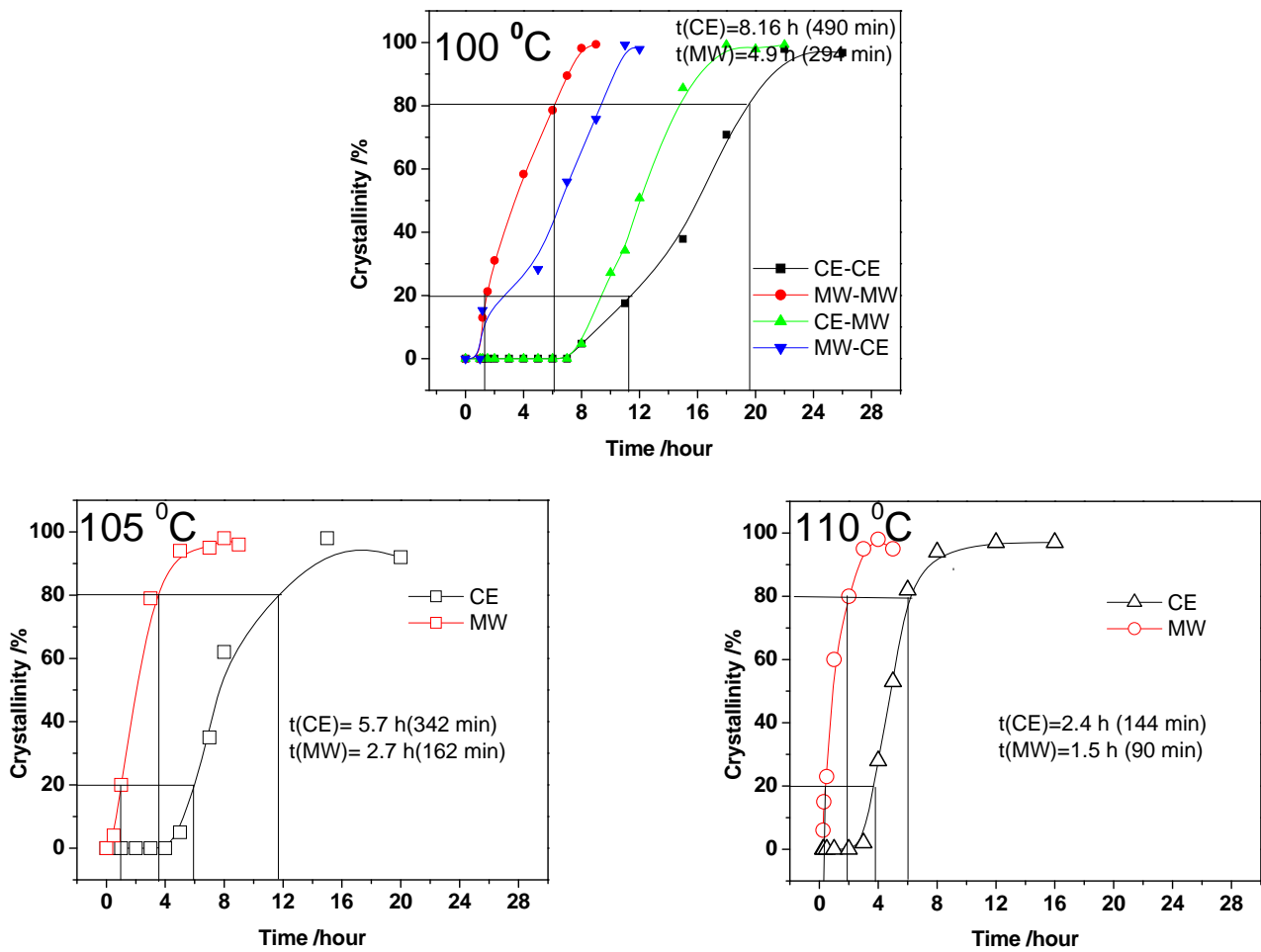


Fig. S2. The points of XRD crystallinity (20% and 80%) that were used to calculate the crystal growth rates.

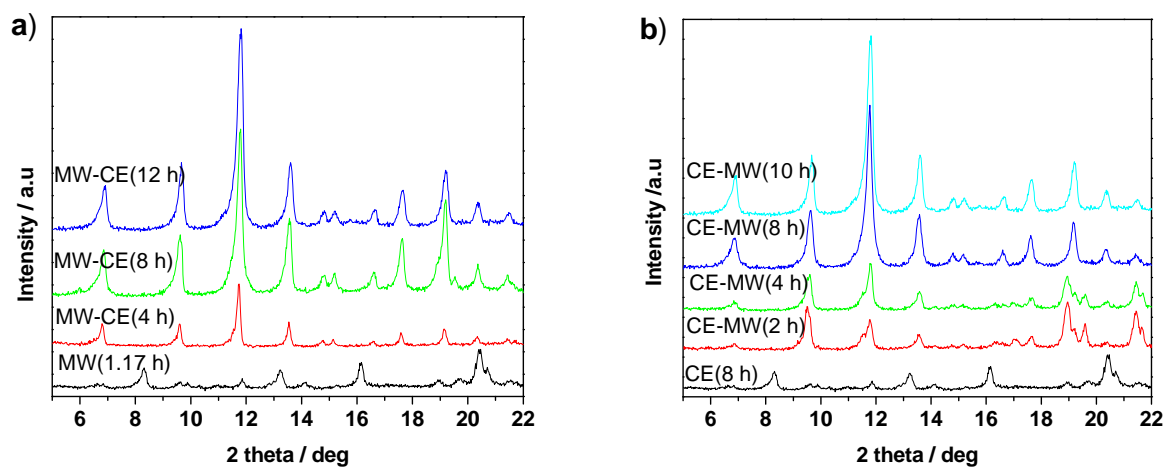


Fig. S3. XRD patterns for the syntheses of Cu-BTC in two steps at 100 °C: (a) MW (1.17 h)-CE; (b) CE (8 h)-MW with various crystal growth times.