

*Supporting Information*

**Pure-silica ZSM-22 Zeolite Rapidly Synthesized by Novel Ionic Liquid-directed Dry-gel-conversion**

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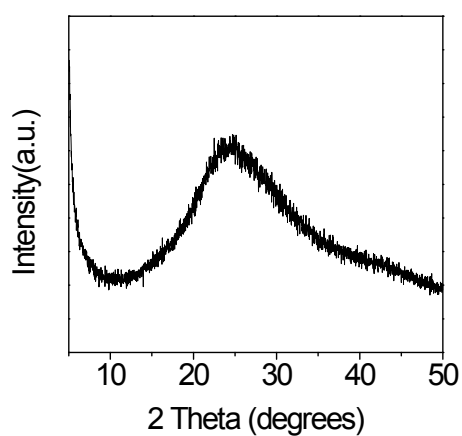


Figure S1. XRD pattern of dry gel.

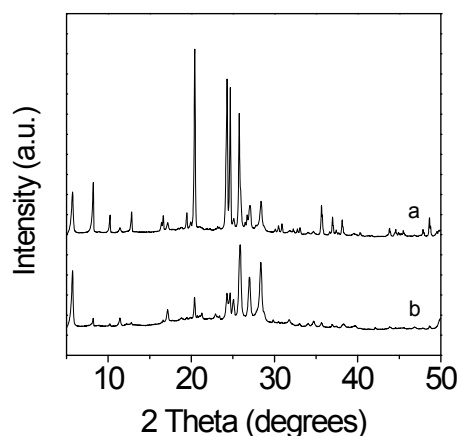


Figure S2. XRD pattern of as-synthesized sample obtained with the crystallization at 443 K for 2 days by using the gel composition of 1 SiO<sub>2</sub>: 0.15 [BMIm]Br : (a) 0.22 and (b) 0.24 Na<sub>2</sub>O: 40 H<sub>2</sub>O.

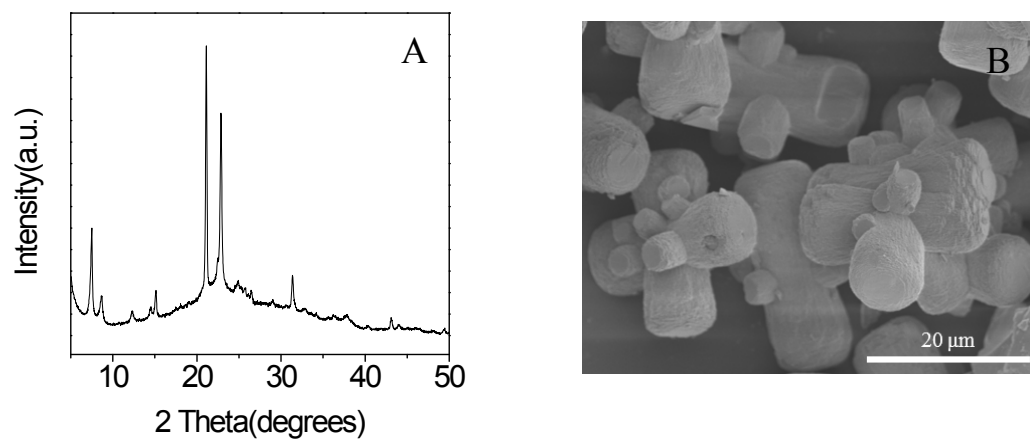


Figure S3. XRD pattern (A) and SEM image (B) of pure-silica ZSM-48 synthesized with gel dried in oven at 373 K for 3 h and crystallized at 453K for 2 days.