

**Electronic Supplementary Information (ESI) for**  
**Inductive effect of various seeds on the organic template-free**  
**synthesis of zeolite ZSM-5**

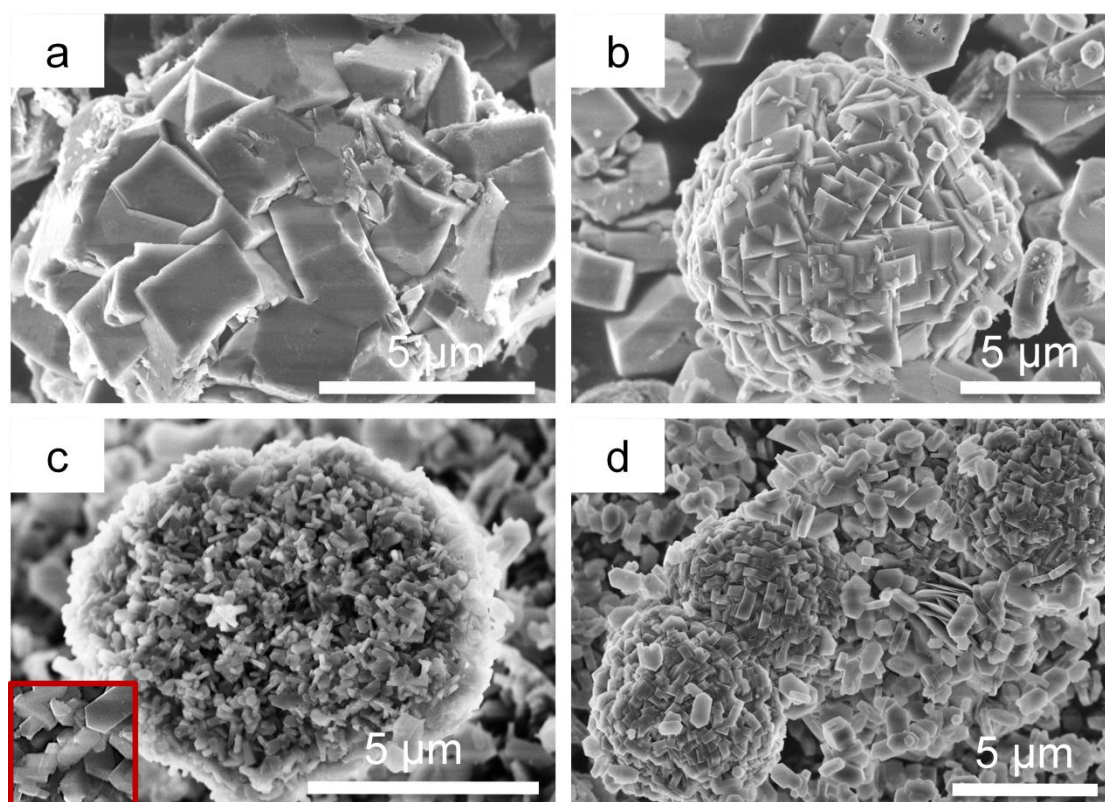
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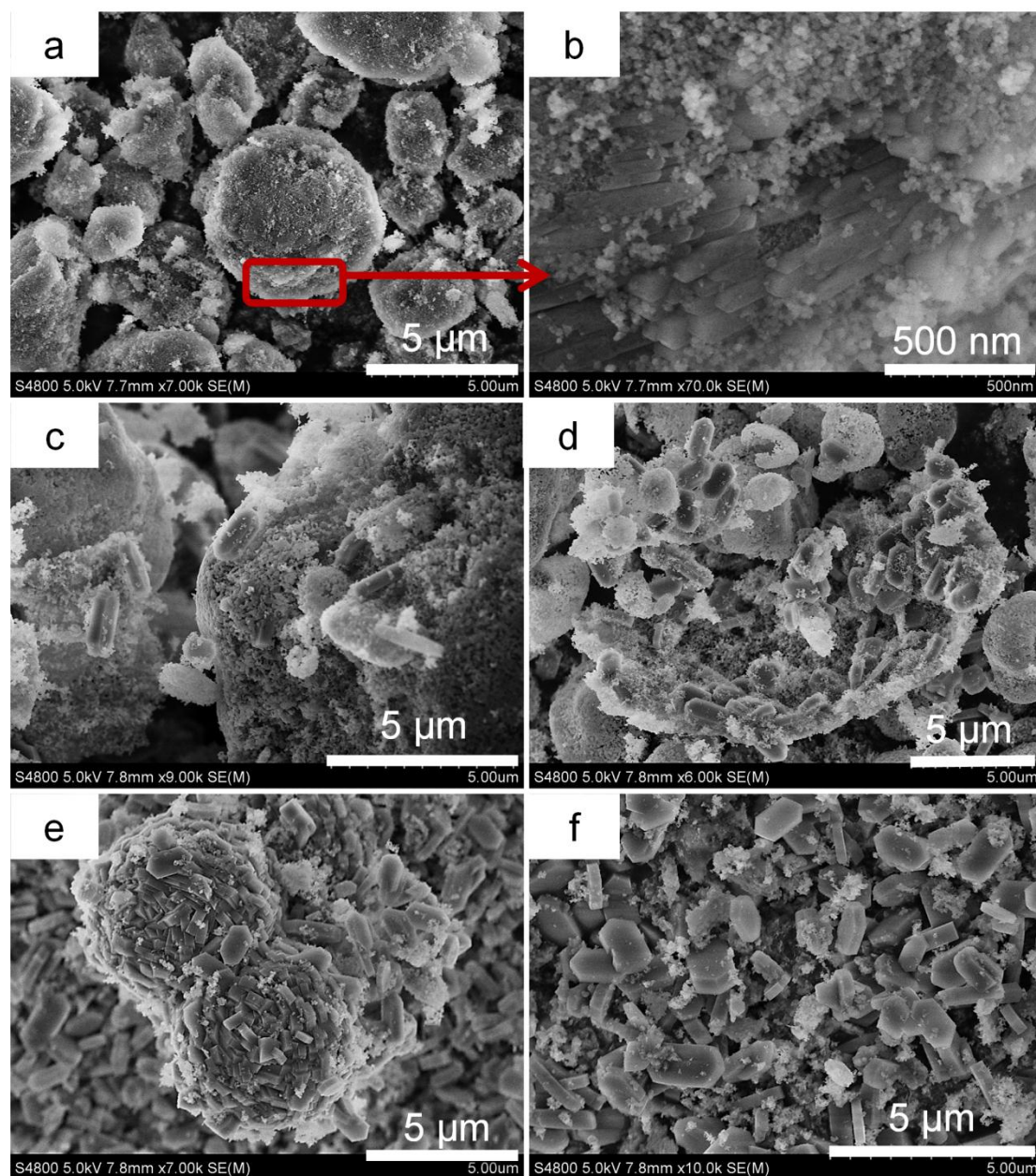
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**Fig. S1.** The aggregation forms of ZSM-5 zeolites from various seed-assisted, template-free syntheses: (a) m-ZSM-5, (b) m-ZSM-11, (c) h-ZSM-5, (d) h-ZSM-11.



**Fig. S2.** The SEM images of samples obtained from various crystallization stages in the hierarchical ZSM-11-seeded synthesis system. (a-b) 170 °C for 0 h, (c-d) 170 °C for 8 h with RC of 39.18 %, (e-f) 170 °C for 10 h with RC of 77.47 %.