

A Comparative Study of MFI Zeolite Derived from Different Silica Sources: Synthesis, Characterization and Catalytic Performance

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Table S1. Amount of agents needed for spherical silica during the synthesis process.

Particle Size of Spherical Silica (nm)	a (28%NH ₃ ·H ₂ O, mL)	b (mL)		d (TEOS, mL)		e (mL)	
		C ₂ H ₅ OH	n-C ₃ H ₇ OH			C ₂ H ₅ OHn-C ₃ H ₇ OH	
50	2	14	0	0	4	36	0
100	4	40	0	0	2	20	0
300	3	0	0	13.8	1.5	15.2	0
500	5	0	14	0	6	0	36

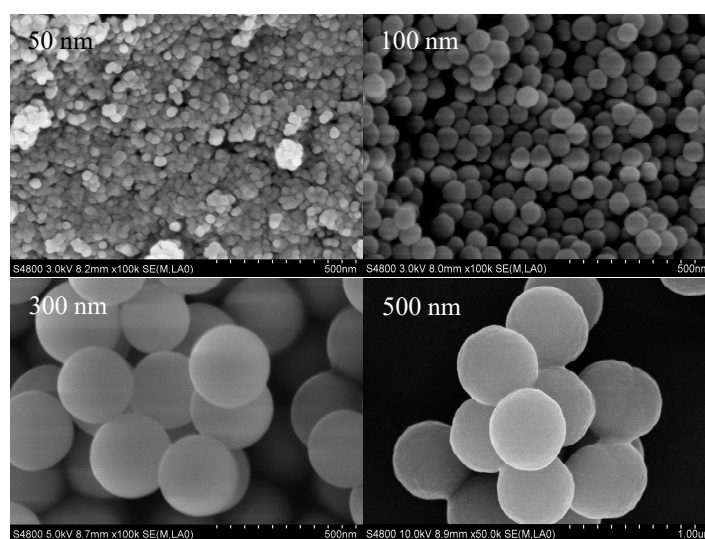


Figure S1. SEM images of silica sphere with different particle sizes.

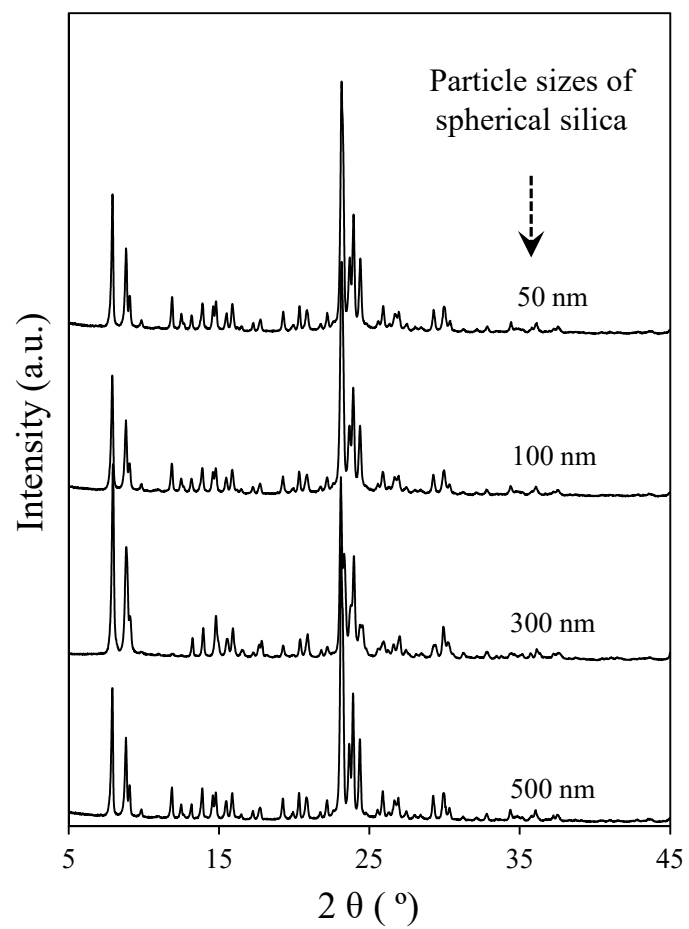


Figure S2. XRD patterns of silicalite-1 synthesized with silica spheres of different particle sizes.