

Synthesis of $\text{Li}_y\text{MnSiO}_x$ and LiMnPO_4 Nanostructures

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Supporting information

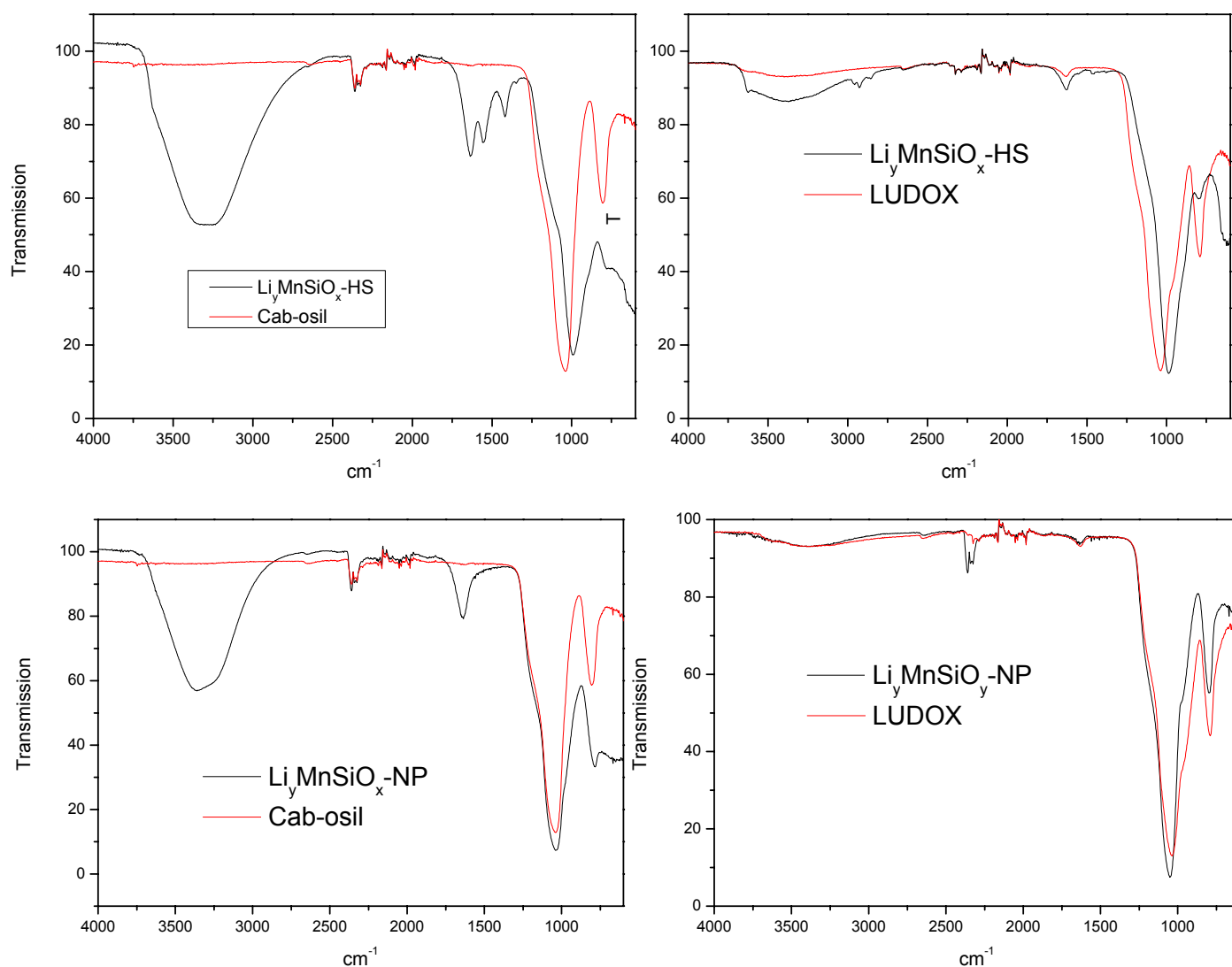


Figure S1. Comparison of the FT-IR spectra of $\text{Li}_y\text{MnSiO}_x$ prepared with different silica source (cab-o-sil and and ludox) and different metal precursors (A,B: MnAc and C,D: MnCl_2)

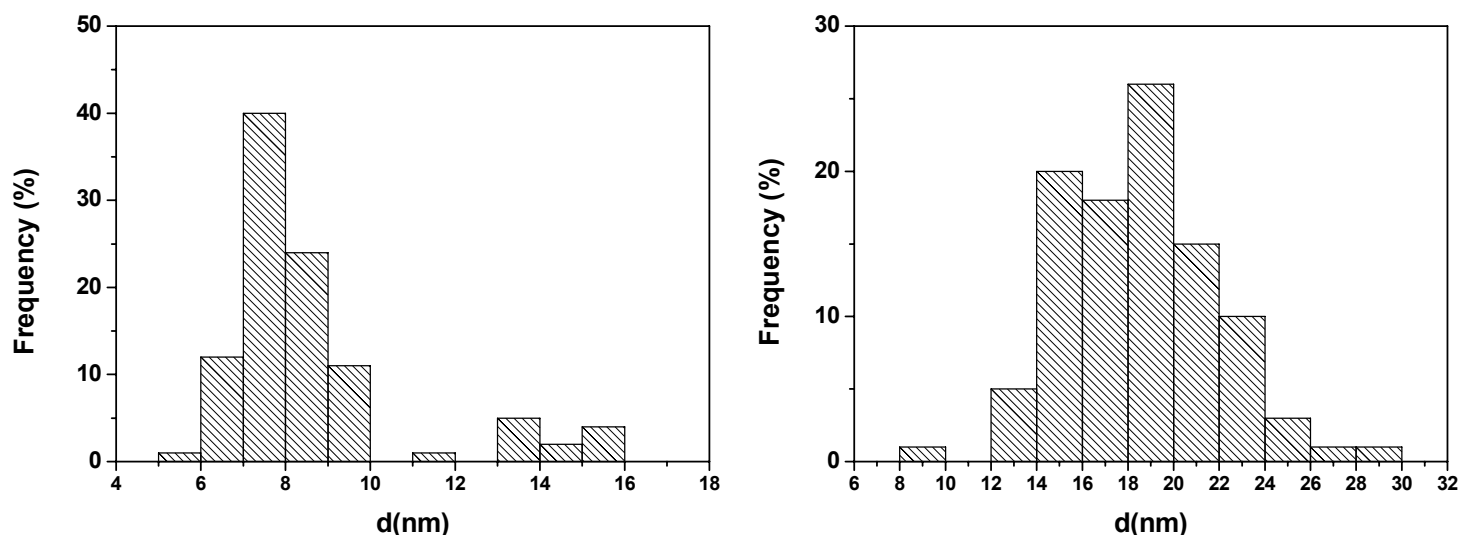


Figure S2. Particles size distribution of $\text{Li}_y\text{MnSiO}_x$ in form of hollow spheres (A, using MnAc and ludox) and plate-like nanoparticles (B, using MnCl_2 and cab-o-sil). Corresponding TEM pictures are shown in figure 1 in the text.

ICP technical details:

Varian Visat-MPX CCD Simultaneous ICP-OES with radial plasma

results:

sample	molar ratio
L-HS (BM11a)	
Li	1
Mn	920,540851
Si	398,033551
C-HS (BM24)	
Li	1
Mn	171,675269
Si	117,343389
C-NP (BM27)	
Li	1
Mn	1505,91685
Si	22314,8554
L-NP (BM28)	
Li	1
Mn	50,3926872
Si	377,694253
theoretical ratio	
Li	1
Mn	32,752376
Si	8,52812341

