Electronic Supplementary Information (ESI)

MicroporousLiAlSiO$_4$ with high ionic conductivity working as coating material and water adsorbent for LiNi$_{0.5}$Mn$_{1.5}$O$_4$ cathode

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Supplementary Information 1

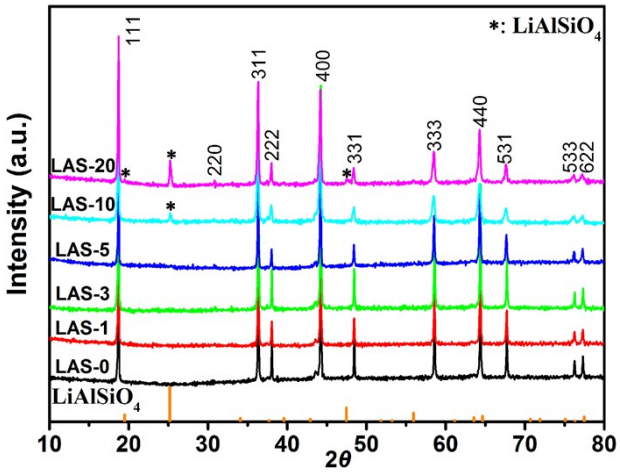

Fig. S1 XRD patterns of LNM spinels coated with different amount of LiAlSiO$_4$ from 0 to 20wt%.

Supplementary Information 2

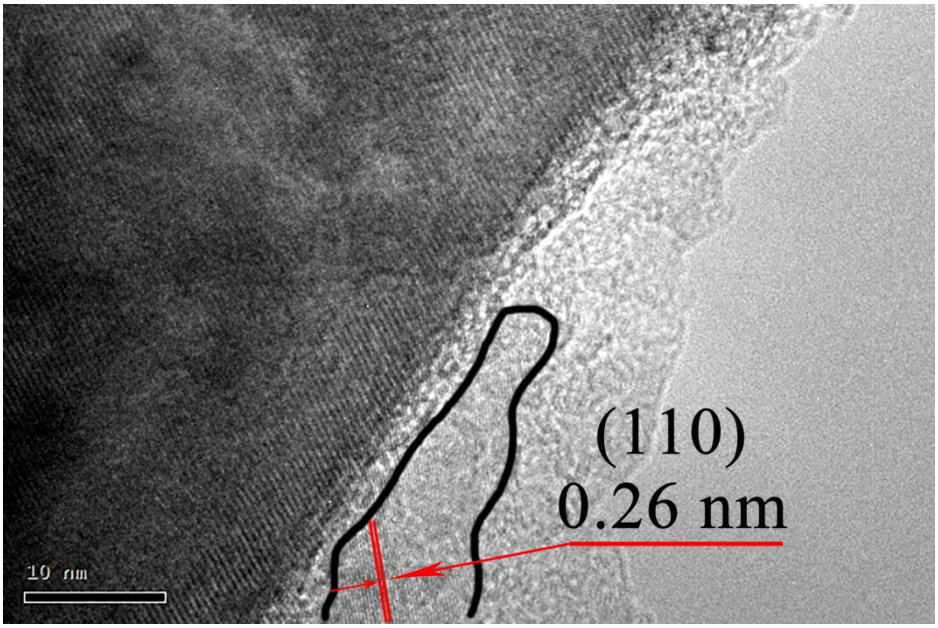

Fig. S2 HR-TEM image of the LAS-10 particles.

Supplementary Information 3

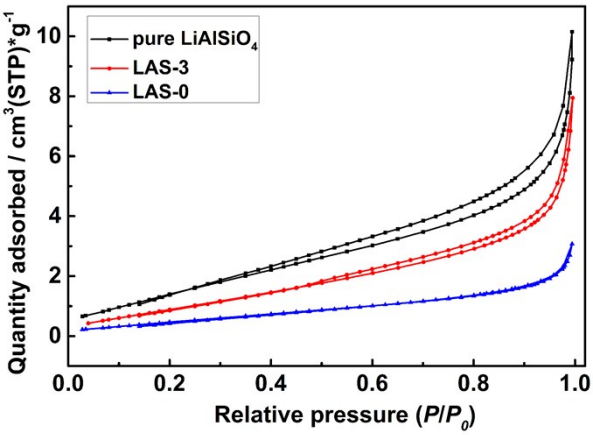

Fig. S3 Nitrogen adsorption-desorption isotherms of pure $LiAlSiO_4$, LAS-0 and LAS-3 powders.