

Supporting Information

Na_{2.44}Mn_{1.79}(SO₄)₃: A new member of *alluaudite* family of insertion compounds for sodium ion batteries

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- Figure S1:** Comparative XRD profiles of Na_{2.44}Mn_{1.79}(SO₄)₃ (NMS) sample stored for different duration. Three selected diffractograms of as-synthesized sample taken after ambient storing for 2 days (black pattern), 3 months (blue pattern) and 1 year (red pattern) are shown. Ambient aging is clearly seen with the appearance of new diffraction peaks. After 1 year, the material degrades to a large extent.
- Figure S2:** Comparative FTIR profiles of Na_{2.44}Mn_{1.79}(SO₄)₃ (NMS) sample stored for different duration. Three selected spectra are shown for freshly prepared sample stored for 2 days (black pattern), 3 months (blue pattern) and 1 year (red pattern). Sharp change in the relative peak intensity as well as appearance of some new peaks is observed owing to material degradation.

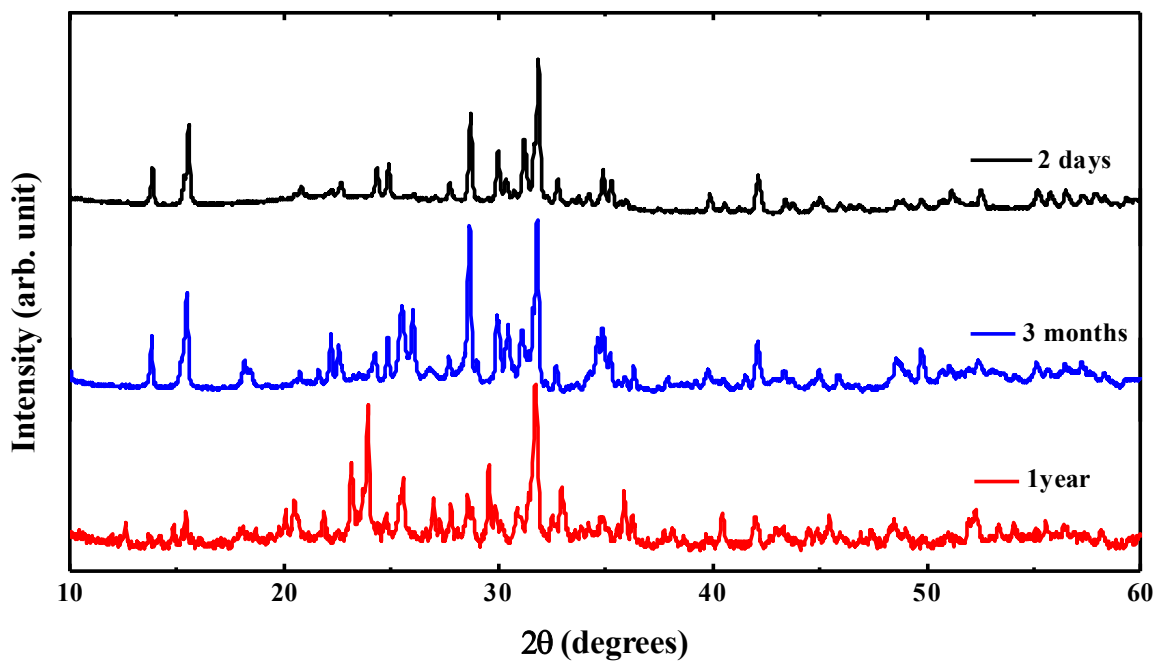


Figure S1:

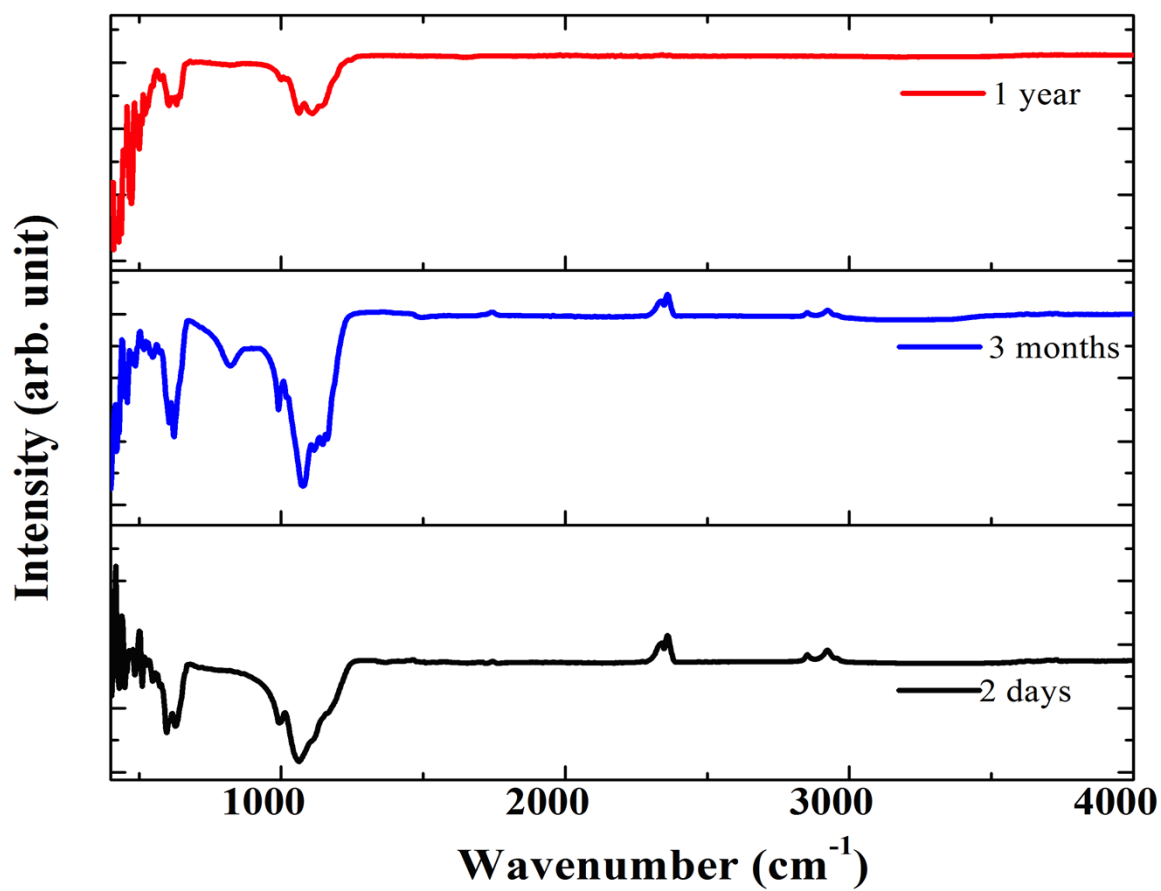


Figure S2: