

Drastic influence of the anion nature and concentration on high pressure intrusion-extrusion of electrolyte solutions in Silicalite-1

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Supporting Information

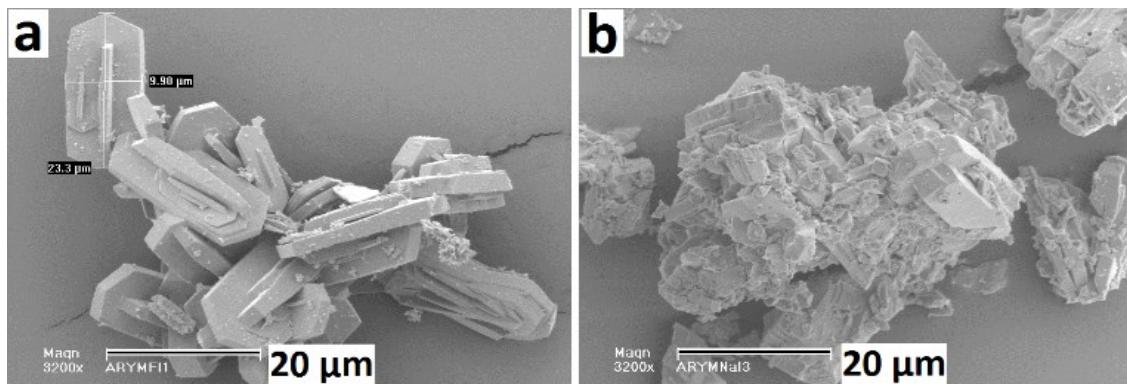


Figure S1. SEM micrographs of Silicalite-1 samples a) before intrusion, b) after three intrusion-extrusion cycles with saturated NaI solution.

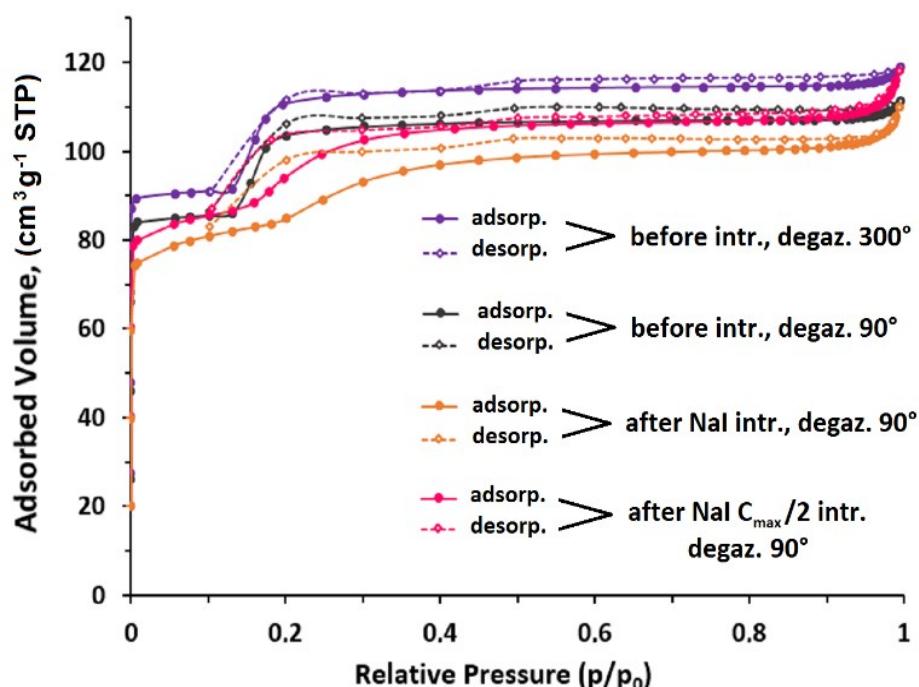


Figure S2. N₂ adsorption–desorption isotherms at -196 °C of the Silicalite-1 samples before (degassed at 90° and 300°C) and after three intrusion-extrusion cycles with saturated (C_{max}) and diluted ($C_{\text{max}}/2$) NaI solutions.

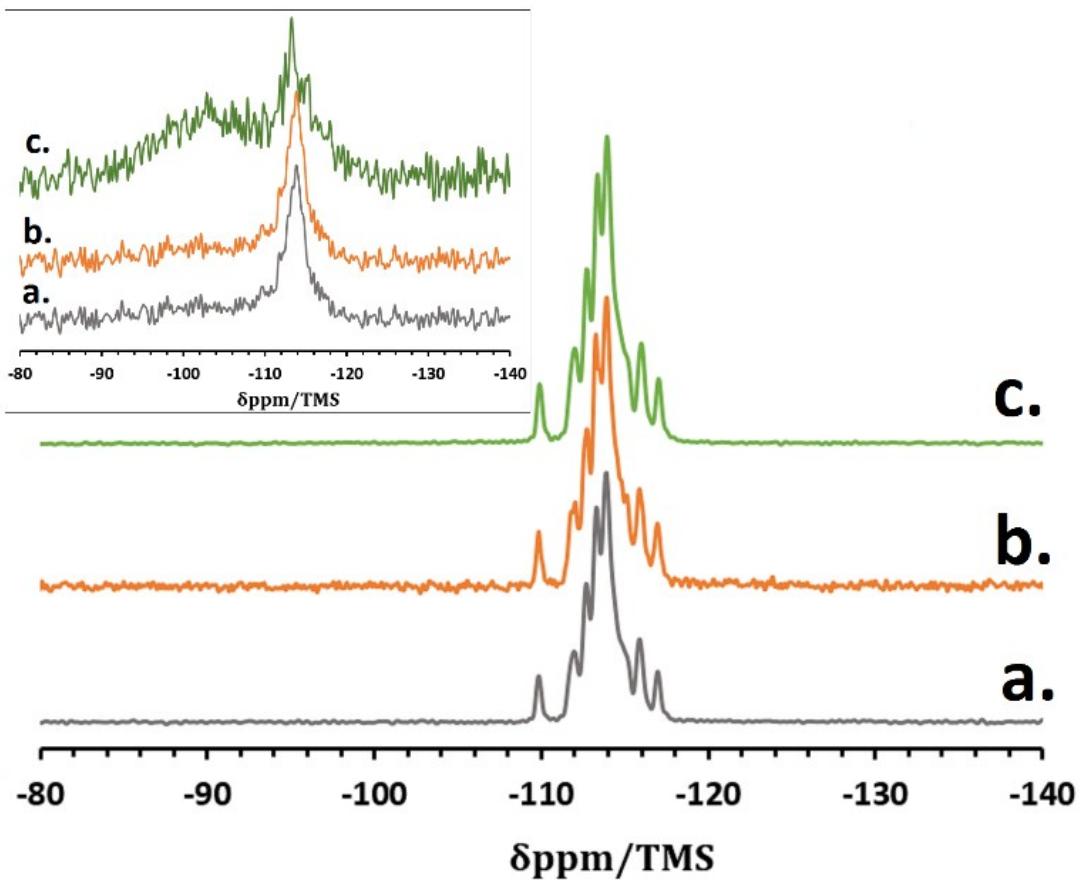


Figure S3. ^{29}Si -MAS NMR and $^1\text{H}-^{29}\text{Si}$ CPMAS spectra (insert) of MFI-type zeosil samples before (a) and after three intrusion-extrusion cycles with NaI (b) and NaClO₄ (c) saturated solutions.