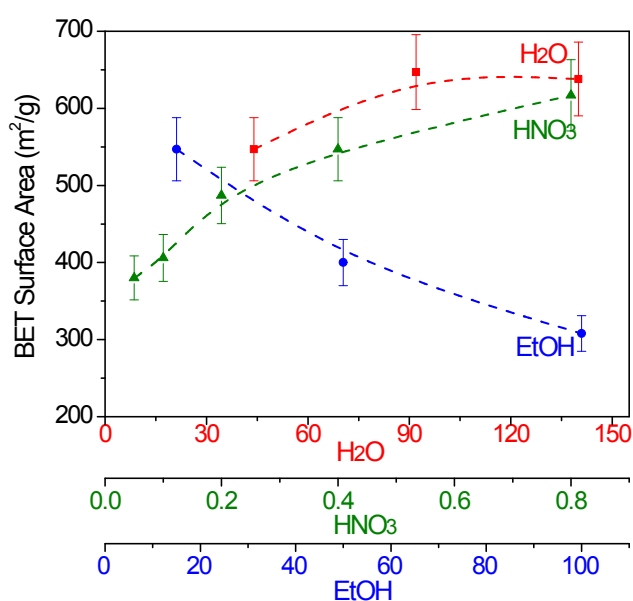


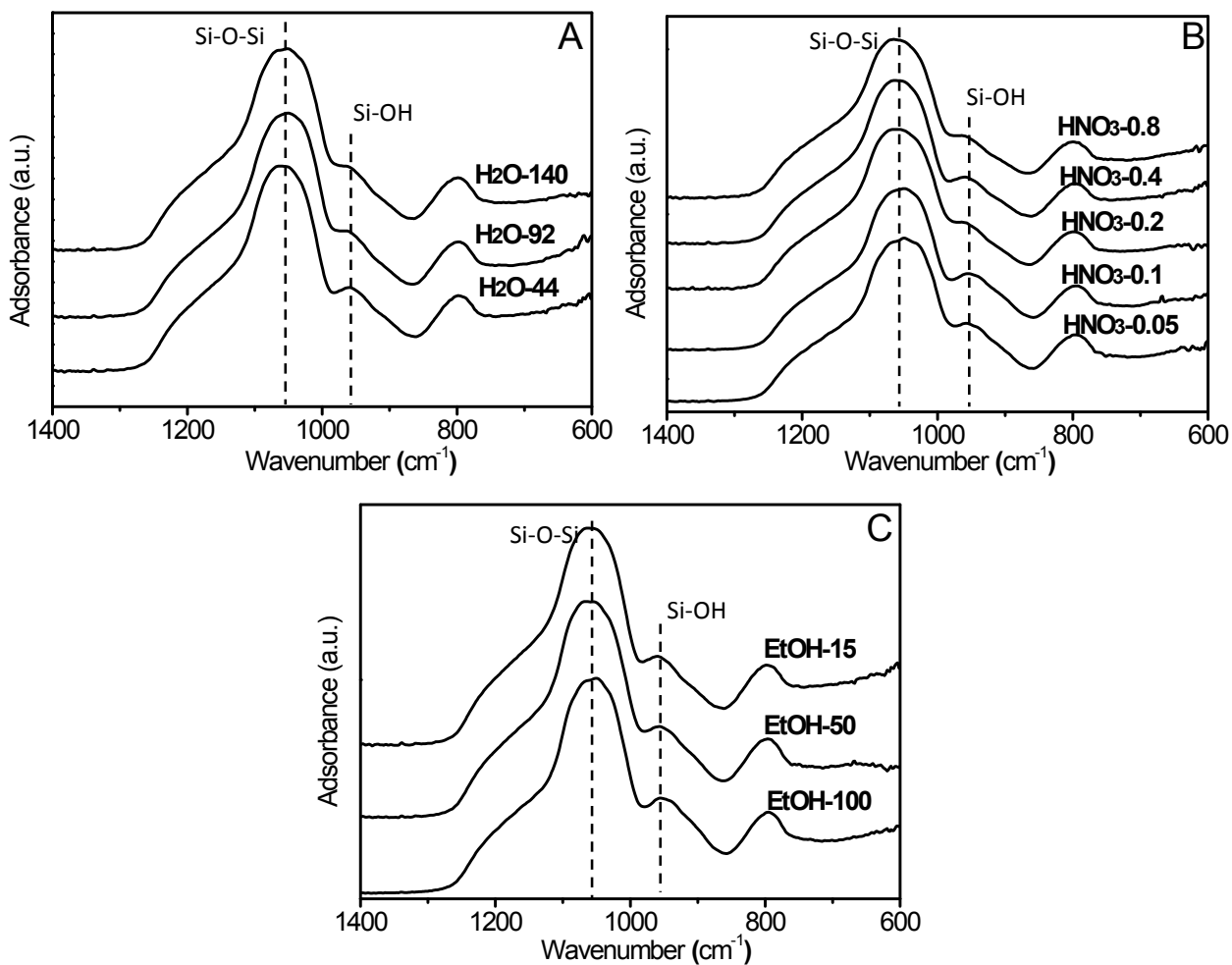
## Improved hydrothermal stability of molecular sieving silica materials prepared from ethyl silicate 40

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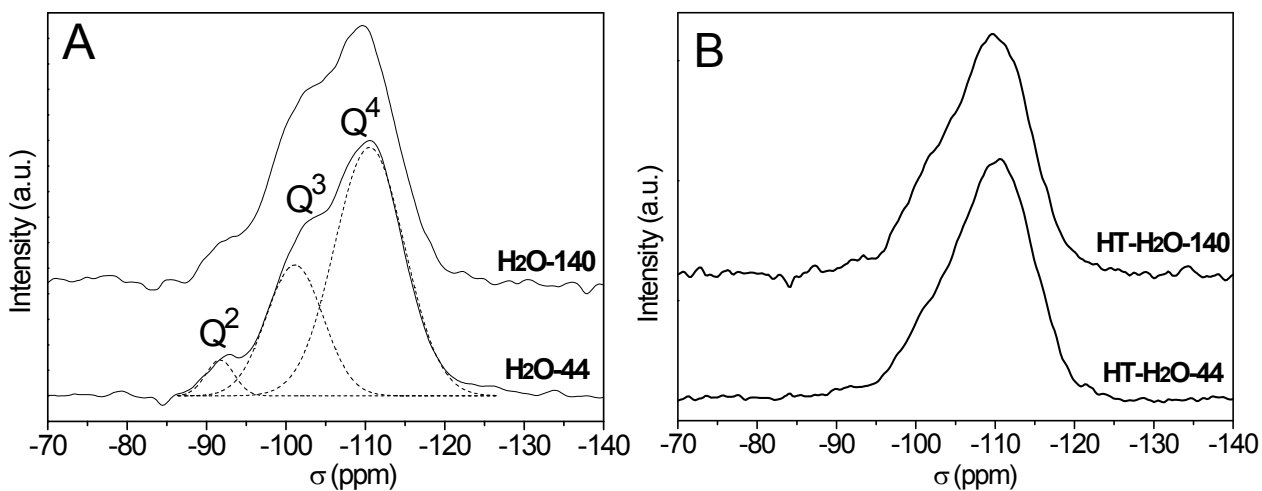
### Supplementary Information



**Fig. S1** BET surface area of silica xerogels prepared from different ratio of H<sub>2</sub>O (red), HNO<sub>3</sub> (green) and EtOH (blue) to Si, respectively.



**Fig. S2** FTIR spectra of the silica xerogels prepared from different ratio of H<sub>2</sub>O (A), HNO<sub>3</sub> (B) and EtOH (C) to ES40, respectively.



**Fig. S3** <sup>29</sup>Si NMR Spectra of H<sub>2</sub>O-44 and H<sub>2</sub>O-140 silica xerogels before (A) and after hydrothermal test (B).