

Supporting Information

Influence of Nitrate and Phosphate on silica fibrous beta zeolite framework for enhanced cyclic and non-cyclic alkane isomerization

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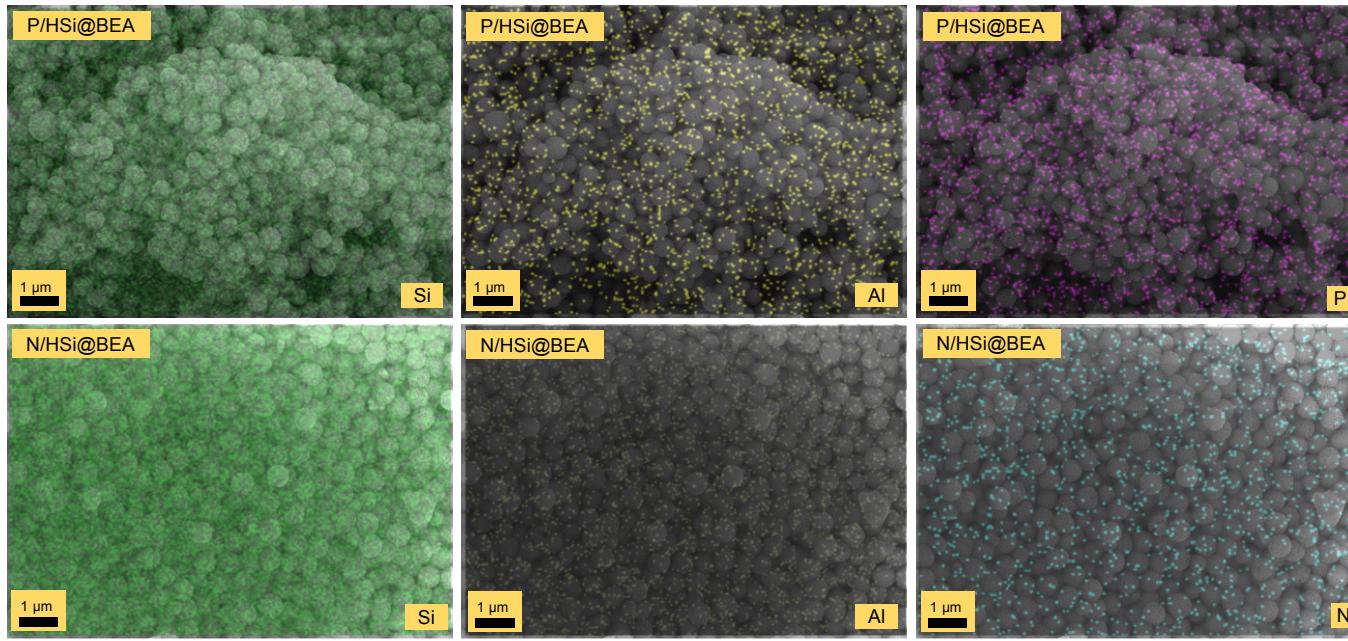


Fig. S1 FESEM with EDX mapping images of P/HSi@BEA and N/HSi@BEA catalysts

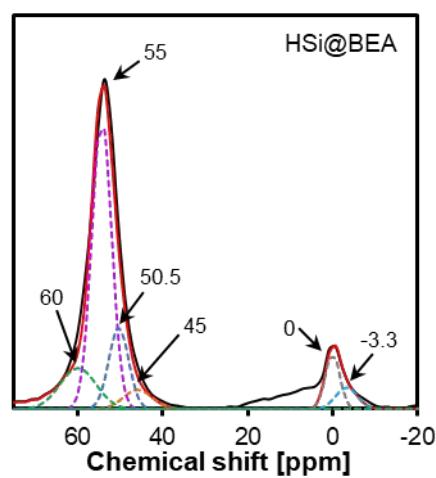


Fig. S2 ^{27}Al MAS NMR for HSi@BEA catalyst

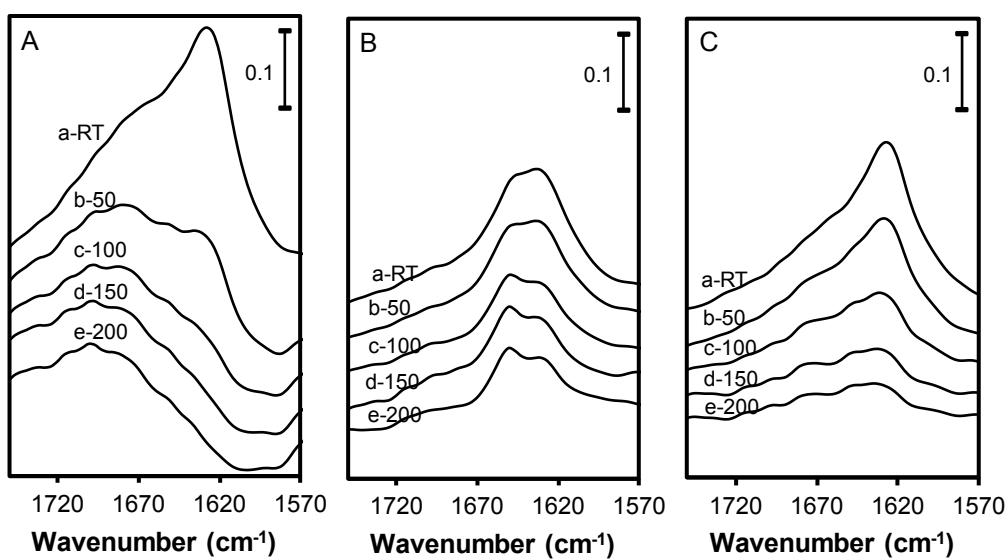


Fig. S3 IR spectra of 2,6-lutidine adsorbed on (A) HSi@BEA, (B) P/HSi@BEA and (c) N/HSi@BEA catalysts at a) room temperature (RT) and outgassing at b) 50 °C, c) 100 °C , d) 150 °C and e) 200 °C activated at 400 °C