

## Supplementary Information

### Selective regulation of n-dodecane isomerization and cracking performance in Pt/Beta catalysts via oriented control of Brønsted acid sites distribution

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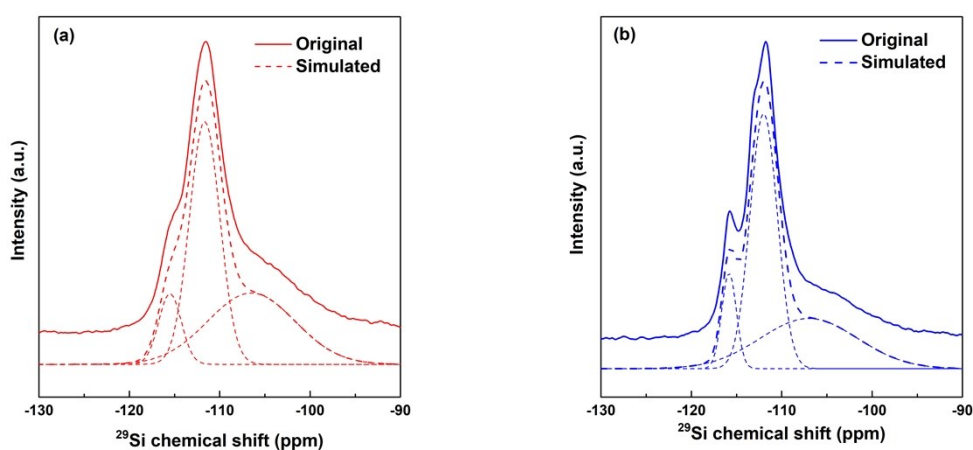
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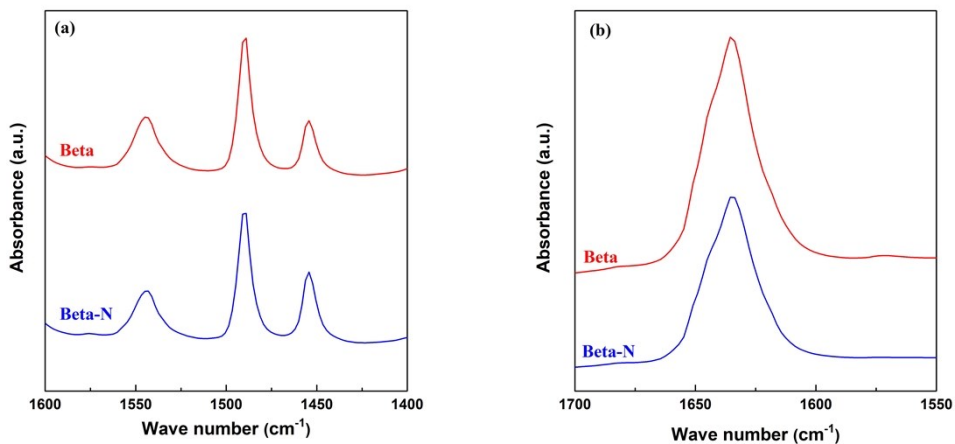
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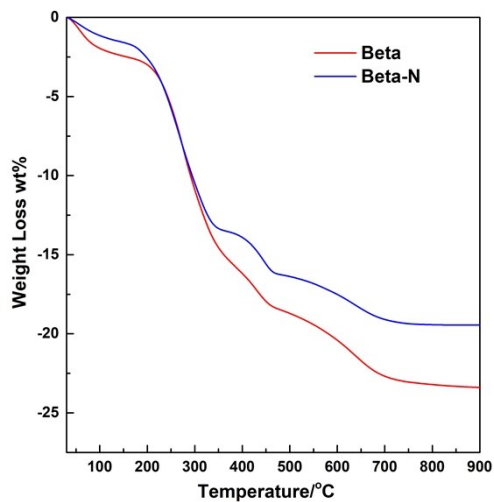
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**Fig. S1.** <sup>29</sup>Si MAS NMR spectra of Beta (a) and Beta-N (b) samples.



**Fig. S2.** IR spectra of pyridine adsorbed (a) and 2,4,6-trimethylpyridine adsorbed (b) on Beta and Beta-N.



**Fig. S3.** TGA curves for the Beta and Beta-N samples.

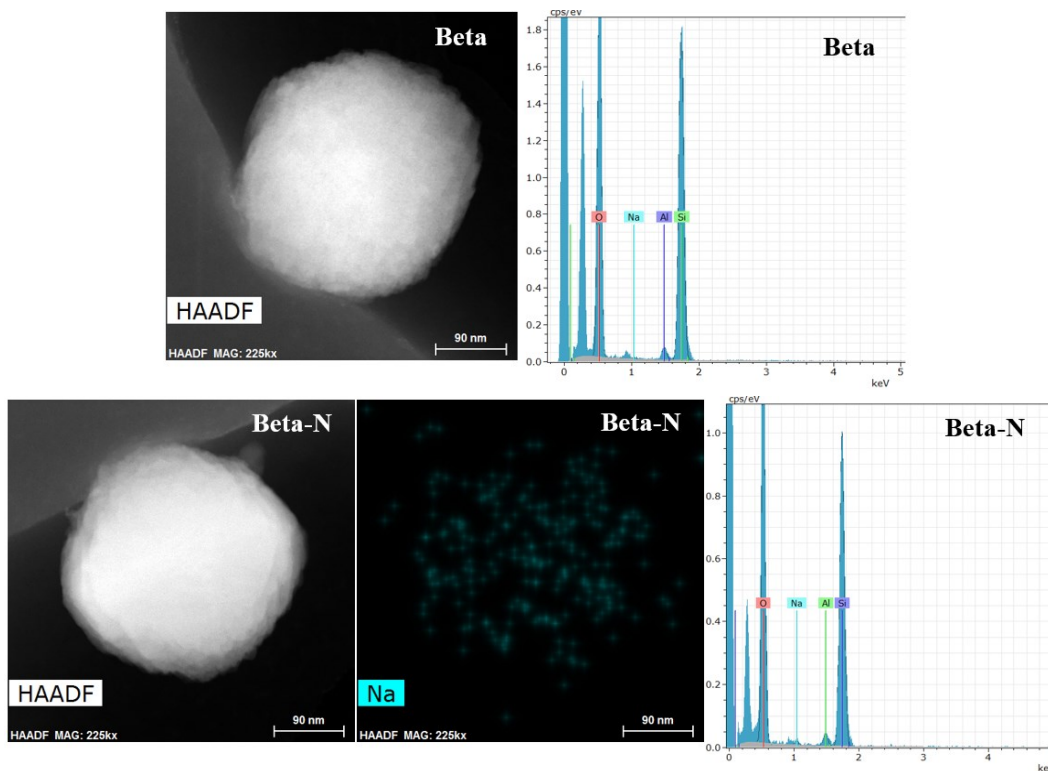


Fig. S4. EDS mapping of Beta and Beta-N samples.

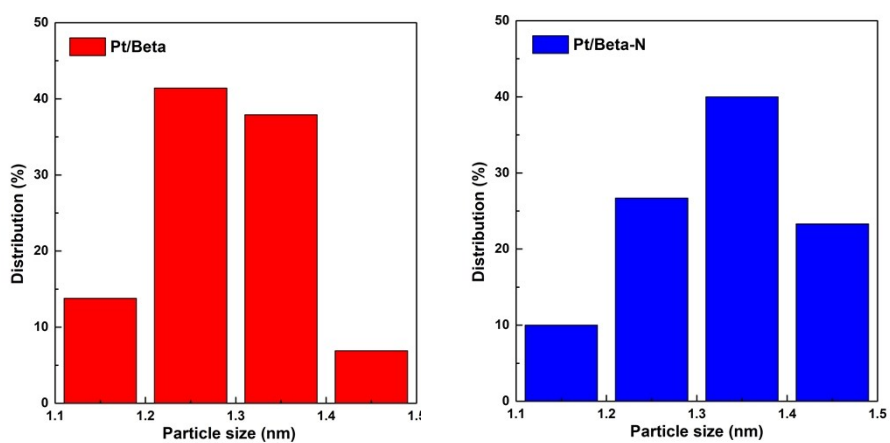


Fig. S5. The Pt particle size distribution over Pt/Beta and Pt/Beta-N catalysts.

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