

Supplementary Information

Influence of framework Si/Al ratio and topology on electron transfers on zeolites

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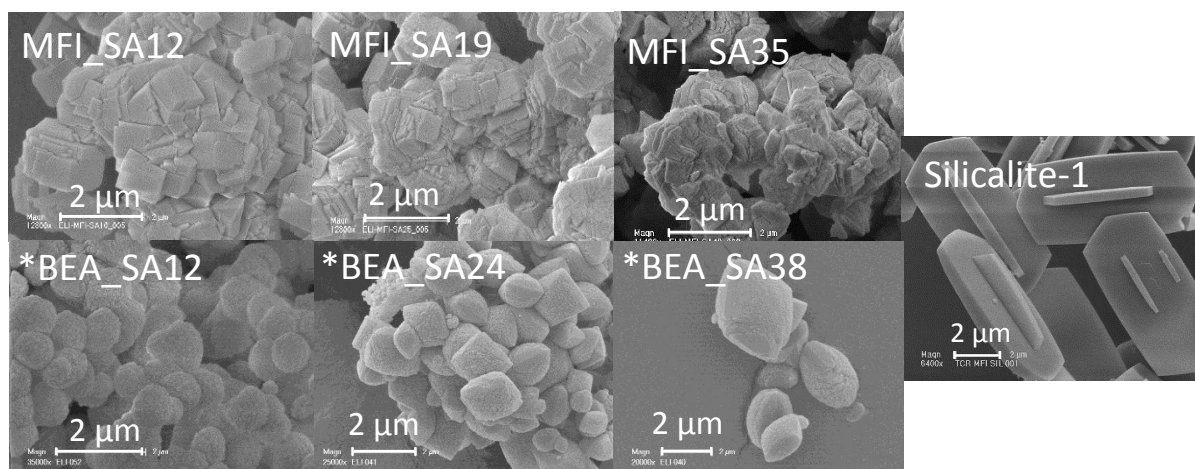
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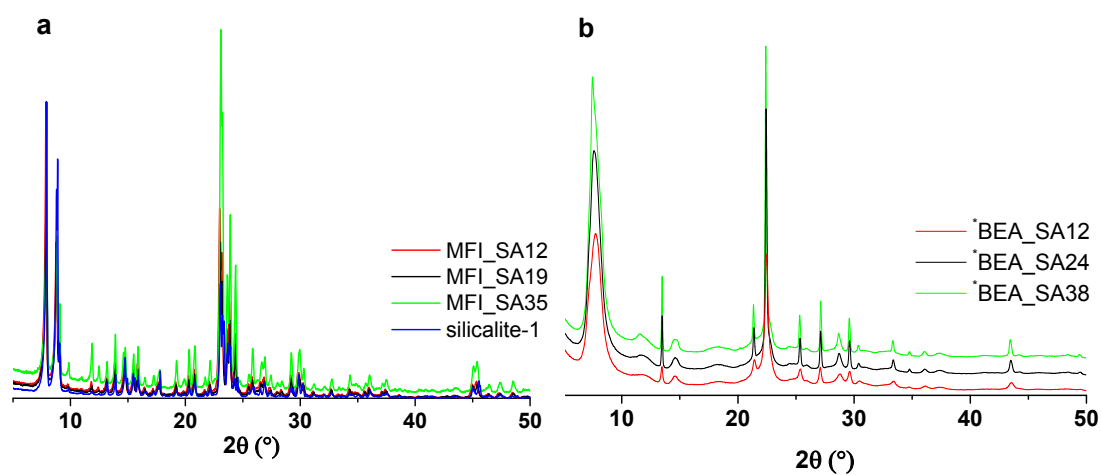
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Figure S1



*Figure S1: SEM images of the synthesized H-ZSM-5, silicalite-1 and H-*BEA zeolites..*

Figure S2



*Figure S2 : Powder XRD patterns of (a) H-ZSM-5, silicalite-1 and (b) H-*BEA zeolites.*

Figure S3

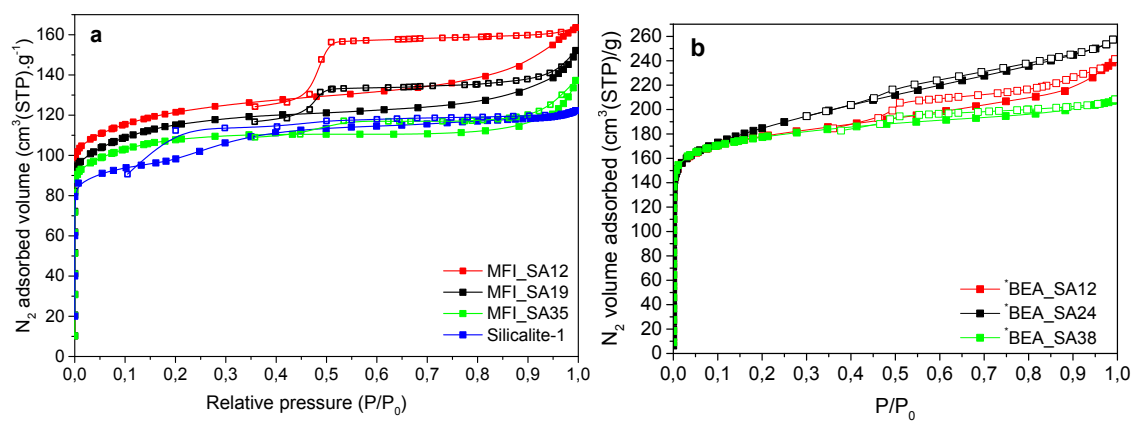


Figure S3 : N_2 physisorption isotherms at 77 K for (a) H-ZSM-5, silicalite-1 and (b) H-BEA zeolites.

Figure S4

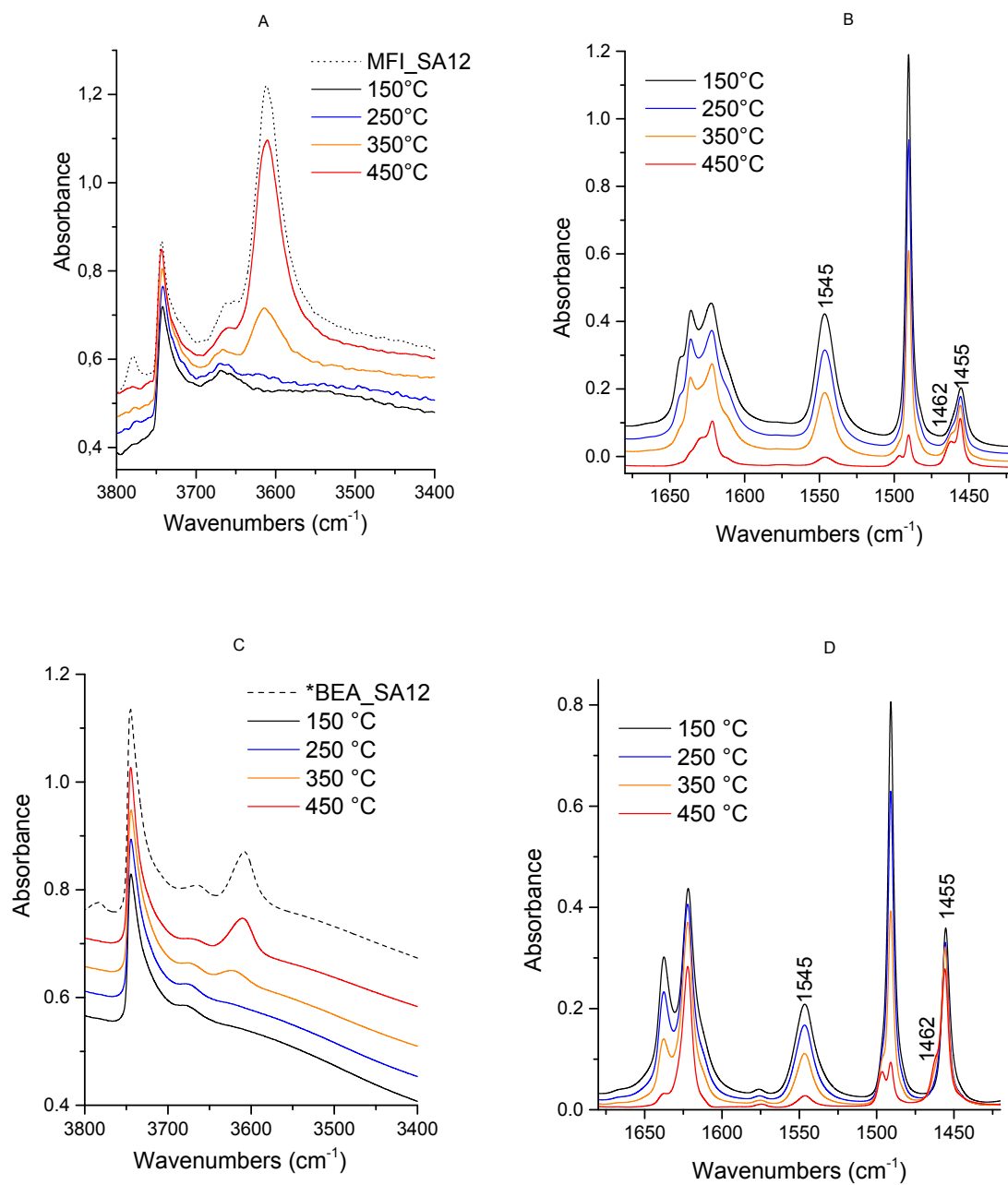


Figure S4 : FTIR spectra recorded for several pyridine desorption temperatures for MFI_SA12 and BEA_SA12 samples.

Figure S5

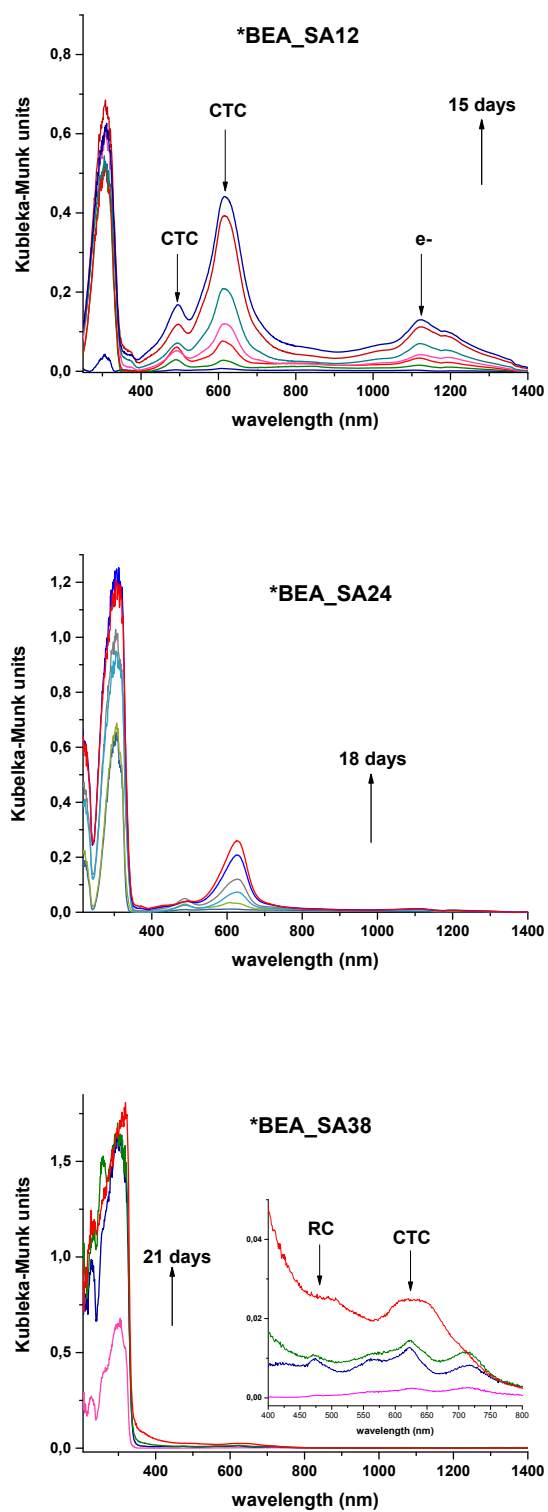


Figure S5 : Diffuse reflectance UV-vis spectra recorded for 15, 18 et 21 days after mixing *t*-St and *BEA-type zeolites with Si/Al ratios equal to 12, 24 and 38, respectively.

Figure S6

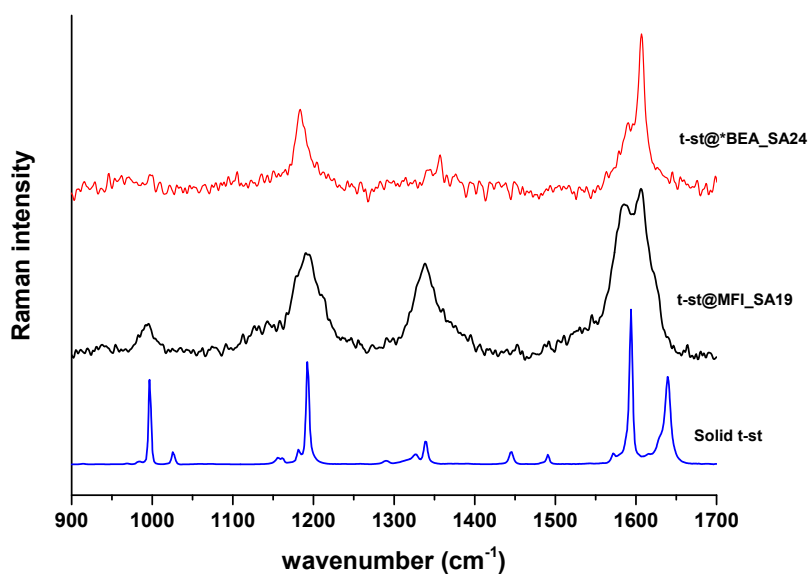


Figure S6 : FT-Raman spectra ($\lambda_{ex} = 1064$ nm) obtained 1 month after mixing *t*-St with H-ZSM-5 and H-*BEA-type zeolites with Si/Al = 19 and 24, respectively.