

Supporting Information

Conceptual similarities between zeolites and artificial enzymes

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Figure S1: ^1H -NMR spectra of the reaction mixture at: A) $t=0$ min and B) $t=90$ min (Notice that the adduct formed corresponds to the kinetically controlled *endo*-isomer). C) ^1H -NMR spectrum of the DA *endo*-adduct for comparison purposes.

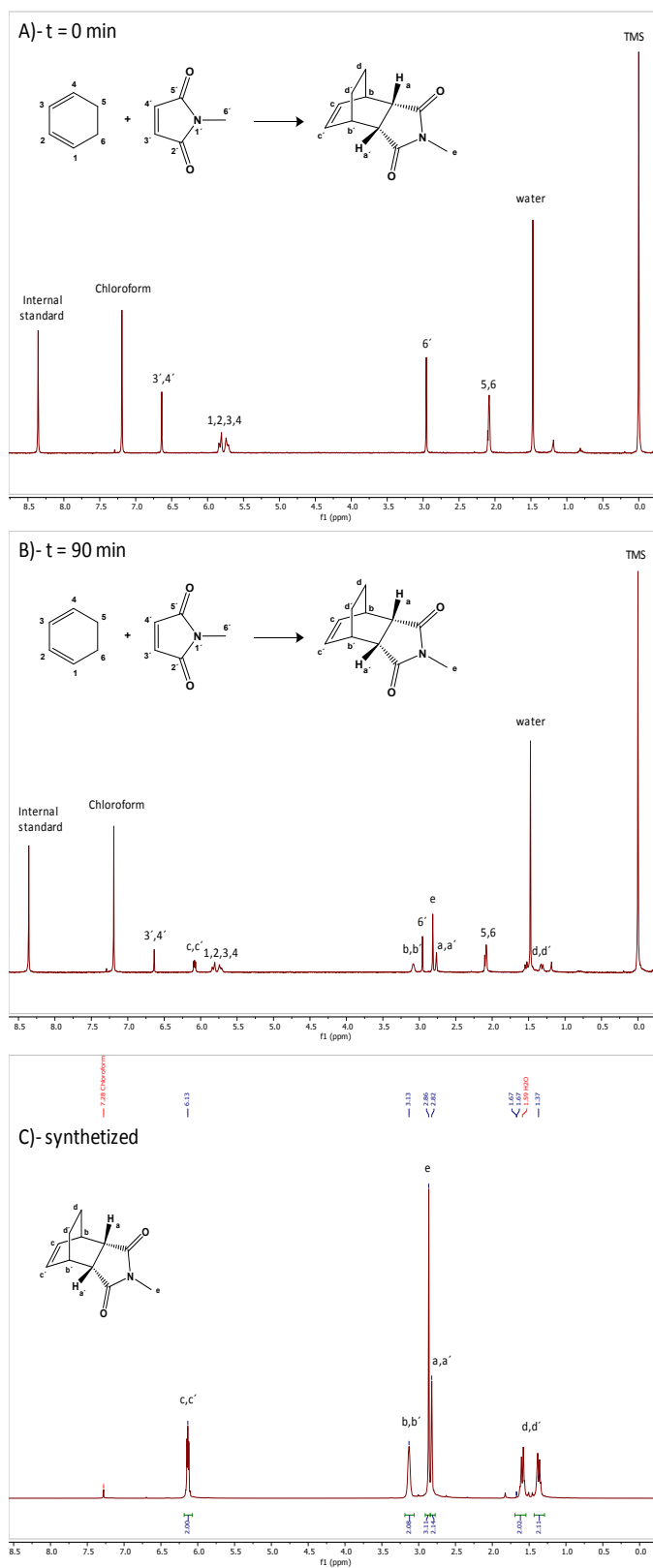


Figure S2: Framework structure of polymorph A (a), polymorph B (b), and polymorph C (c) of Beta zeolite, showing the different stacking order

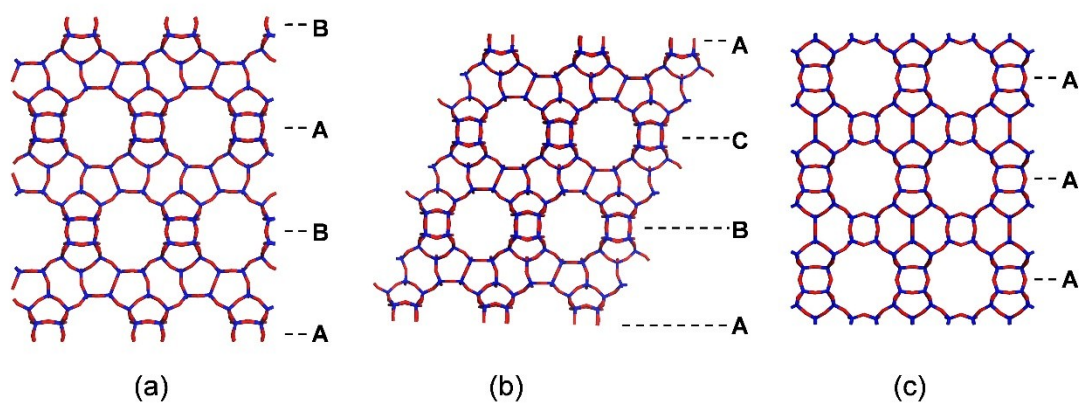


Figure S3: FE-SEM images of the different silicates synthesized in the present work

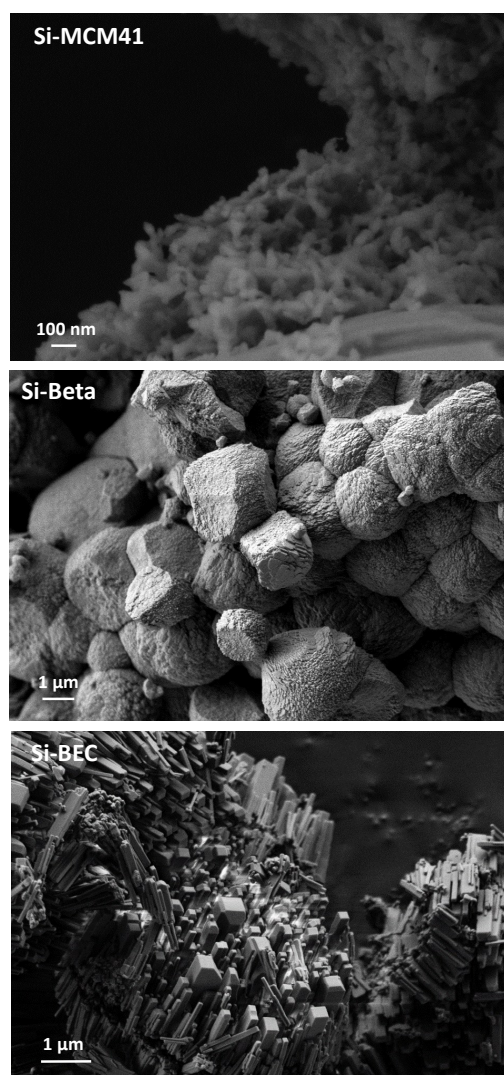


Figure S4: Linearized Arrhenius Plots of the Diels-Alder reaction for silicates (A) and Ti-silicates (B)

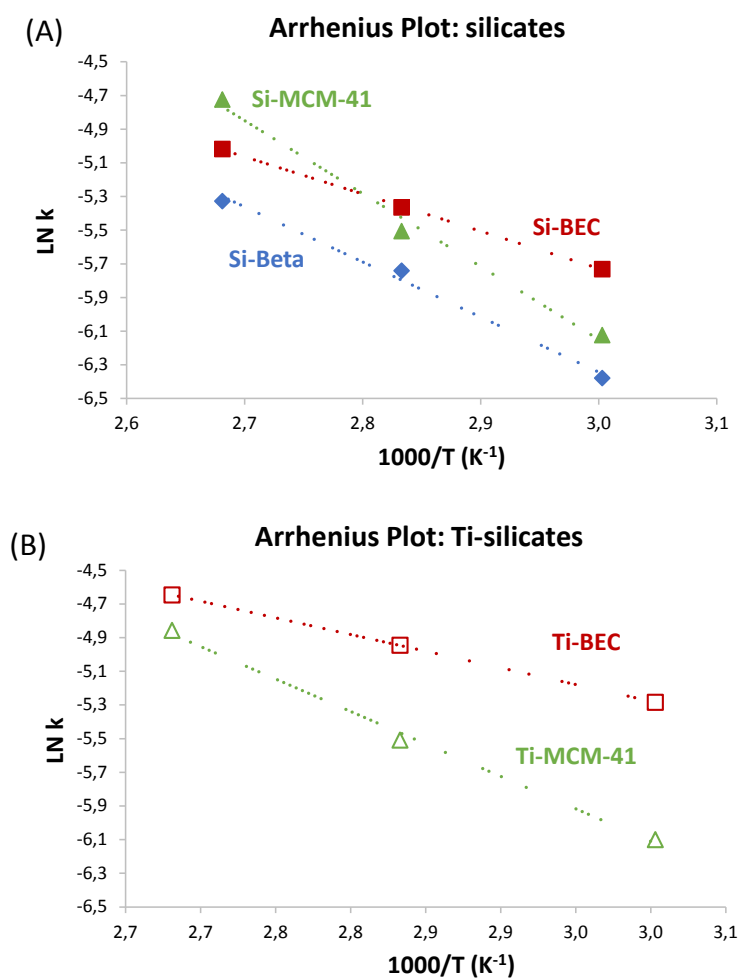


Figure S5: FE-SEM images of the different Ti-containing silicates synthesized in the present work

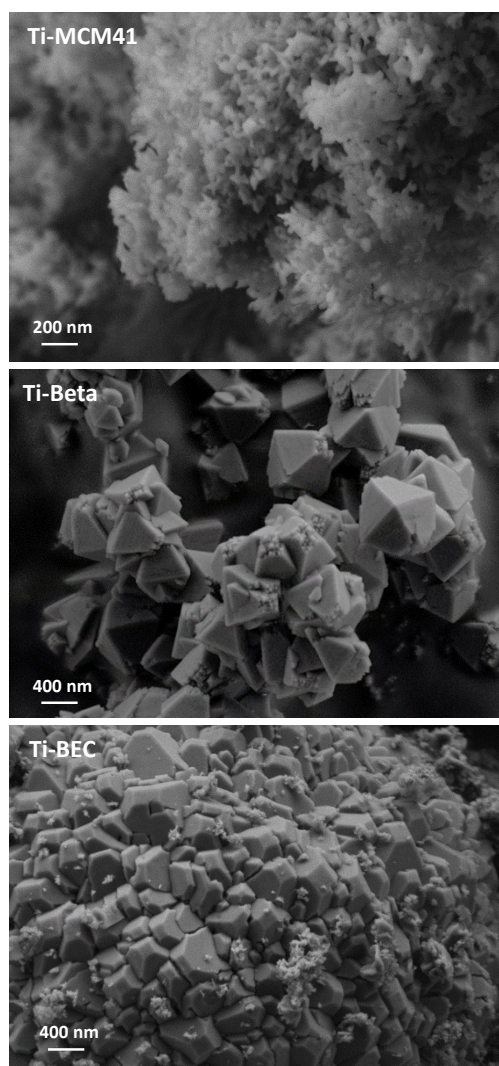


Figure S6. UV-Vis spectroscopy of the calcined Ti-containing silicates

