Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

- Supplementary Information –

Effect of zeolite morphology on separated charge states: ZSM-5-type nanocrystals, nanosheets and nanosponges

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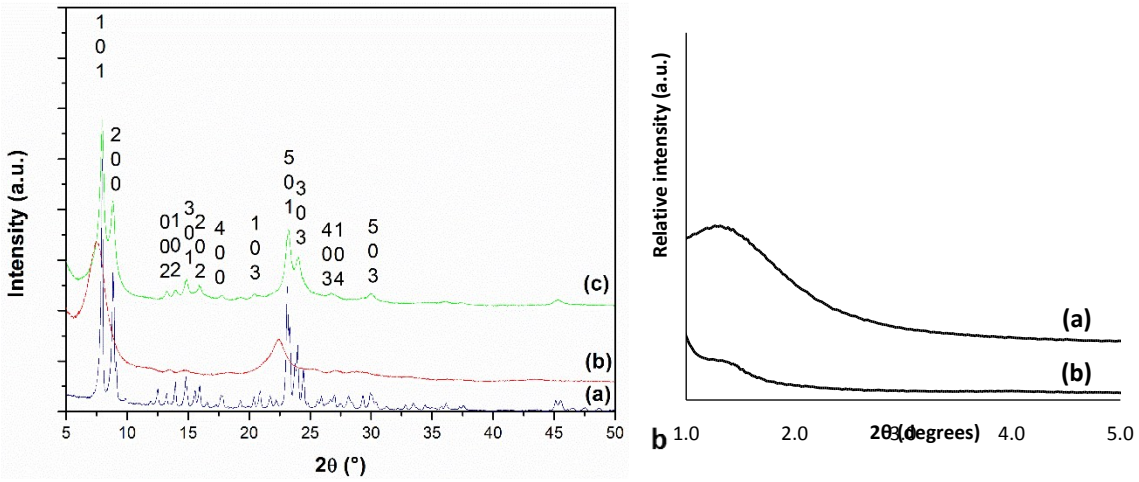

Figure S1 : Wide angle XRD patterns (left) obtained for the calcined samples: nanocrystals (a), nanosheets (b) and nanosponges (c). Low angle XRD patterns (right) of the as synthesized materials: nanosheets (a) and nanosponges (b).

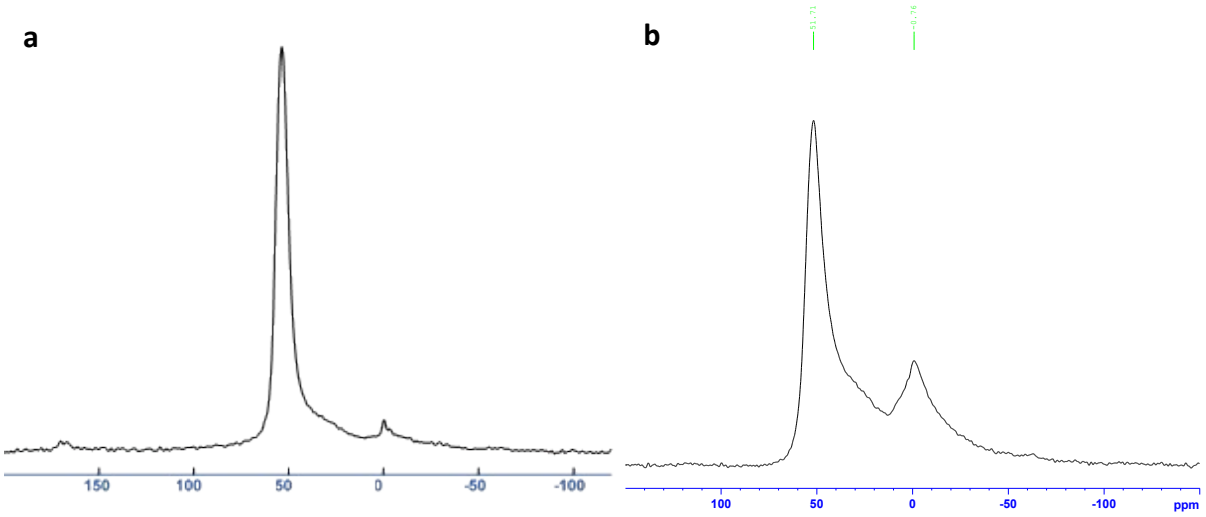

Figure S2 : ^{27}Al MAS NMR spectra of (a) nanosheets and (b) nanosponges. Peak at 0 ppm is attributed to Al extraframework species and peak around 60 ppm is attributed to the Al species in the zeolite framework.

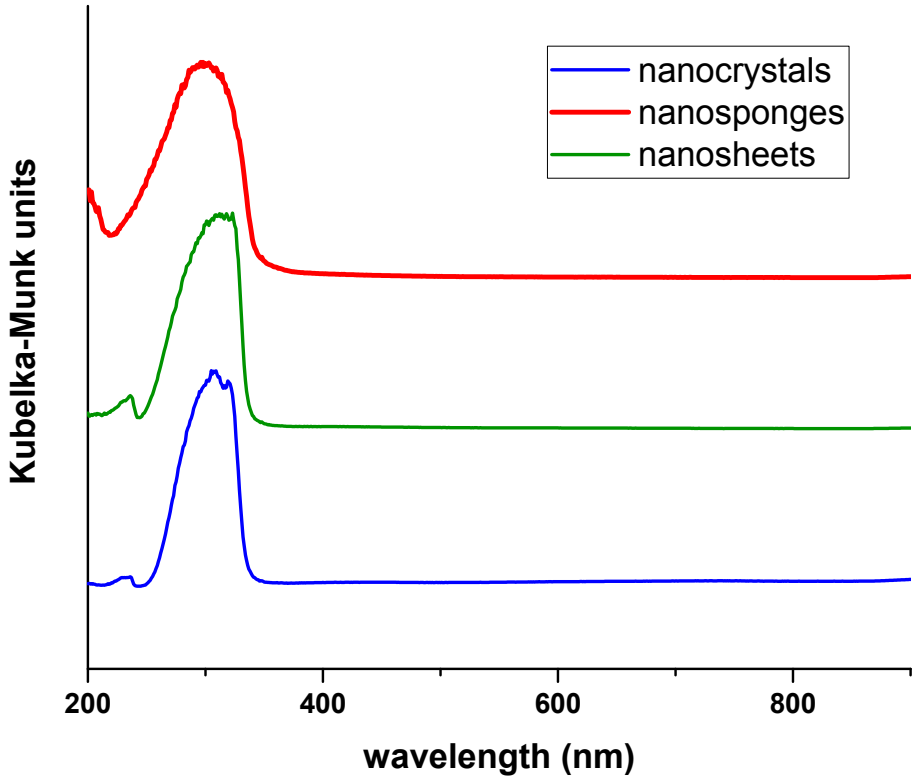

Figure S3 : Diffuse reflectance UV-visible spectra obtained after t-stilbene adsorption in nanocrystals, nanosheets and nanosponges