

Figure S1: Diffractograms of HUSY series samples. From top to bottom: 0.7, 0.4, 0.1 and 0.0 %Pt.

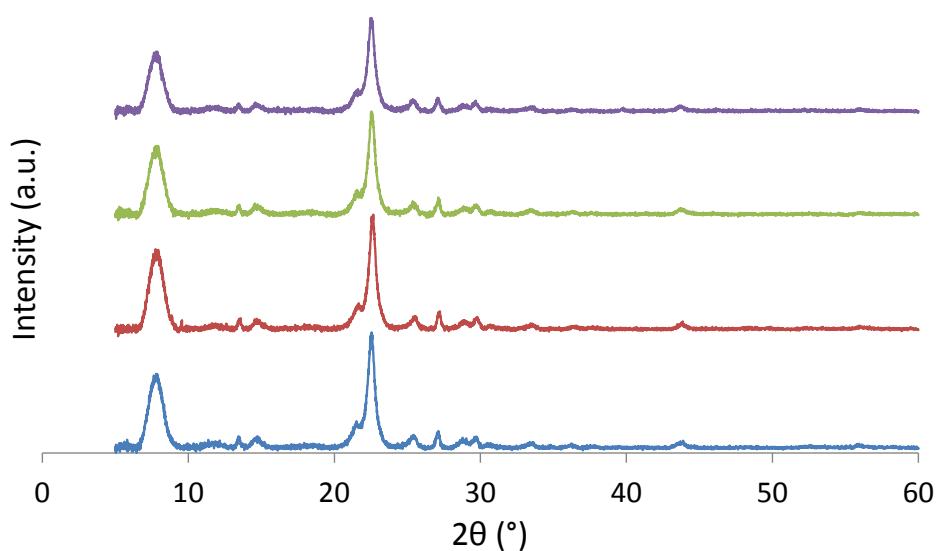


Figure S2: Diffractograms of HBFA series samples. From top to bottom: 1.0, 0.4, 0.1 and 0.0 %Pt.

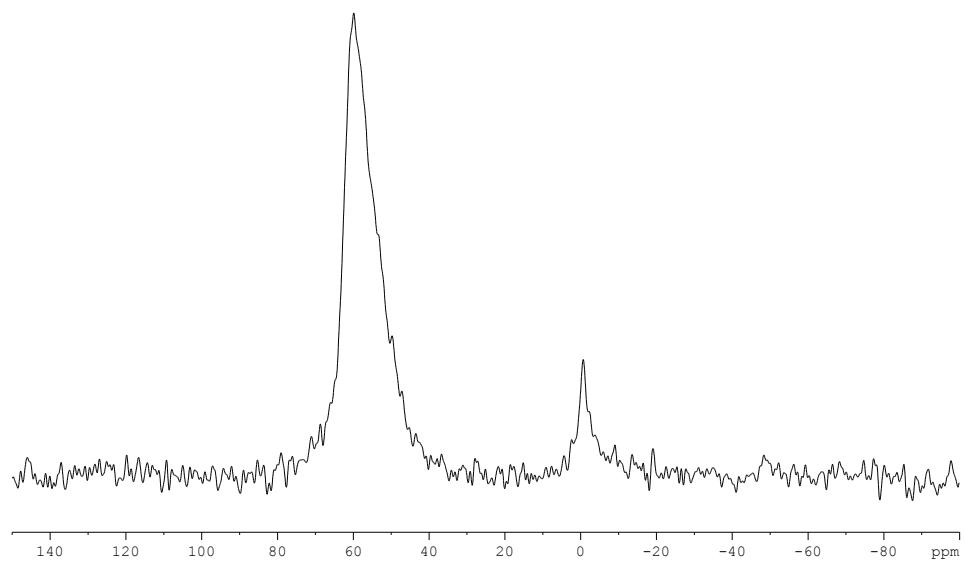


Figure S3: ^{27}Al MAS-NMR spectrum of HUSY zeolite.

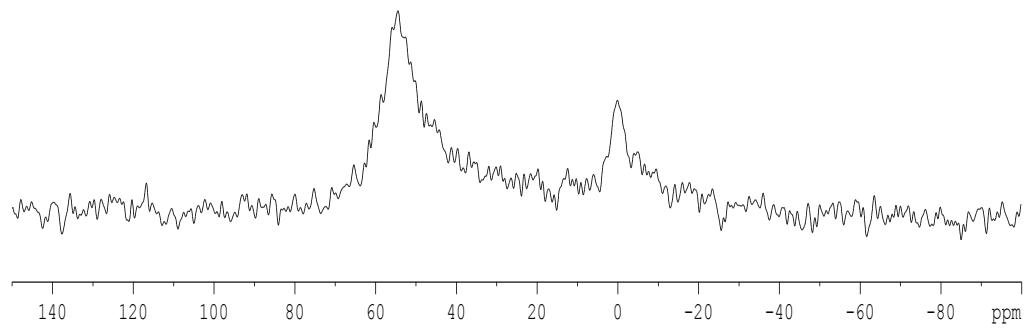


Figure S4: ^{27}Al MAS-NMR spectrum of HBFA zeolite.

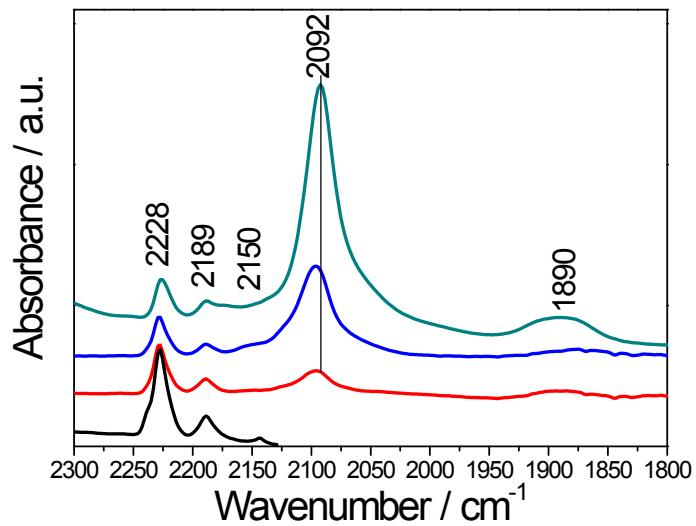


Figure S5: IR spectra of HUSY and pre-reduced Pt/HUSY catalysts at CO saturation. From top to bottom spectrum: 0.7, 0.4, 0.1 and 0.0 wt.% Pt.

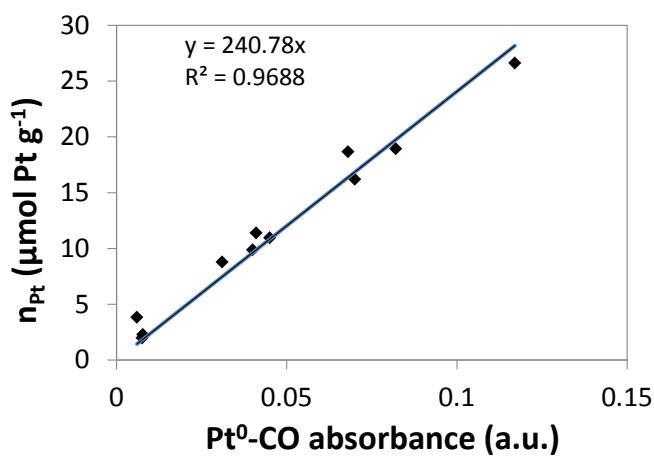


Figure S6: Number of Pt surface atoms measured by $\text{H}_2\text{-O}_2$ titration plotted as a function of the intensity of the ν_{CO} at 2097 cm^{-1} from Pt^0CO species for Pt-impregnated samples.

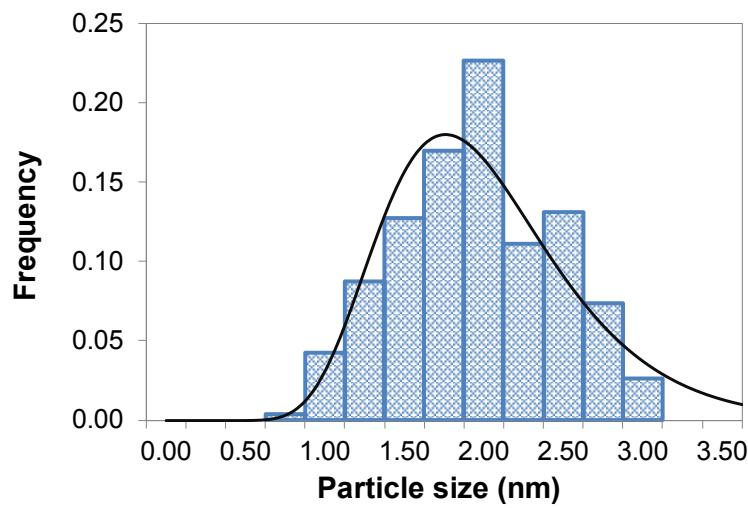


Figure S7: Surface-based histogram of particle size for the main population of 1.0Pt/HBEA sample (234 particles measured).

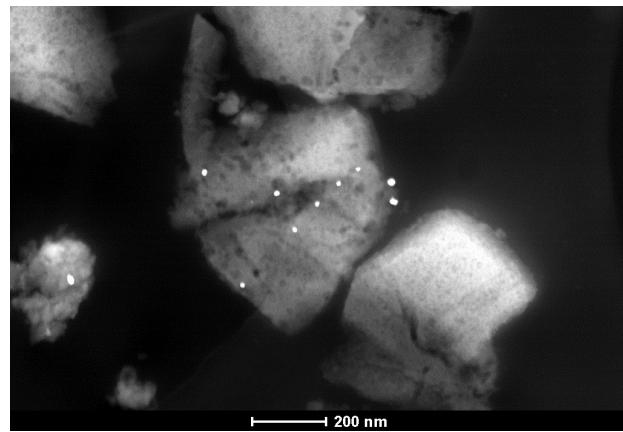


Figure S8: STEM-HAADF micrographs of 0.7Pt/HUSY sample focusing at the large Pt particles. White dots correspond to Pt particles.