

The genesis of a heterogeneous catalyst: *in-situ* observation of a transition metal complex adsorbing onto an oxide surface in solution

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Supporting Information

Effect of the pH 12 solution on the Al_2O_3 surface roughness

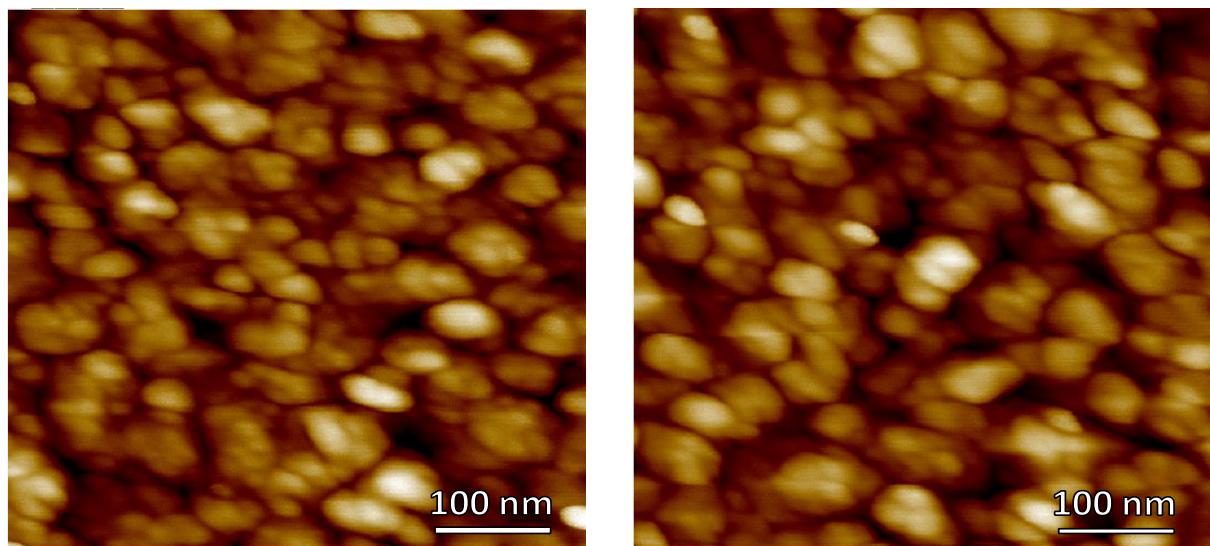


Figure S1. AFM images of the surface of an Al_2O_3 -covered quartz crystal before any treatment

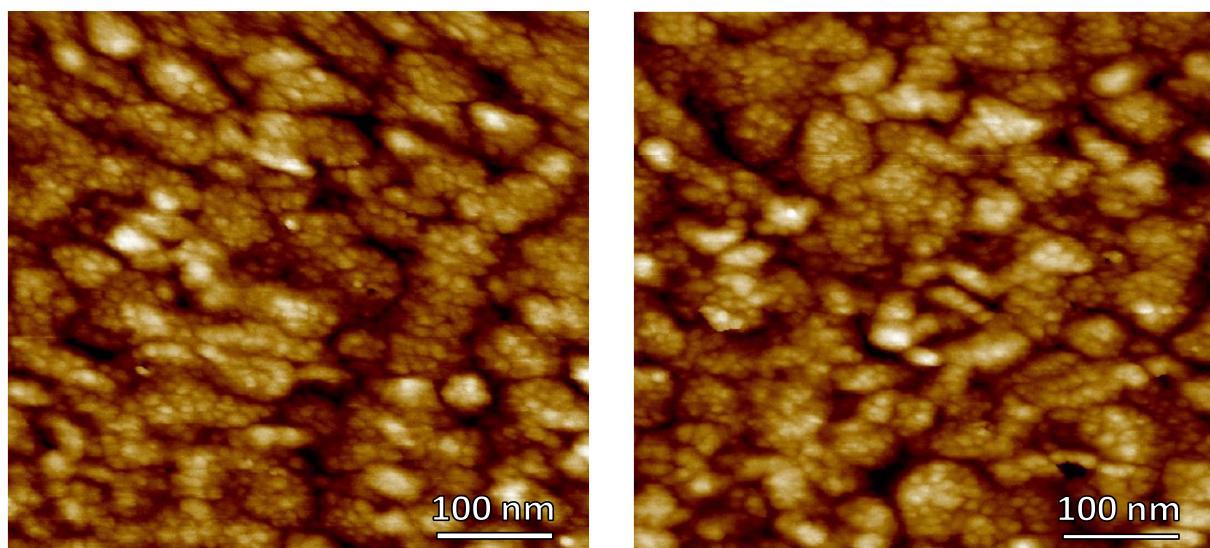


Figure S2. AFM image of the same crystal after placing it for 5 minutes in a NaOH solution at $\text{pH} = 12$. The surface roughness has noticeably increased.

Table S1. Root mean square roughness values, in nanometers, for all of the images taken before and after placing the Al_2O_3 -covered quartz crystal in a pH 12 solution of NaOH.

	R_q (nm)	
	Before pH = 12	After pH = 12
Image 1	1.27	1.49
Image 2	1.21	1.57
Image 3	1.12	1.31
Image 4	1.35	1.47
Average	1.24	1.46