

Interface properties of CVD grown graphene transferred on to MoS₂(0001)

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Supplement information:

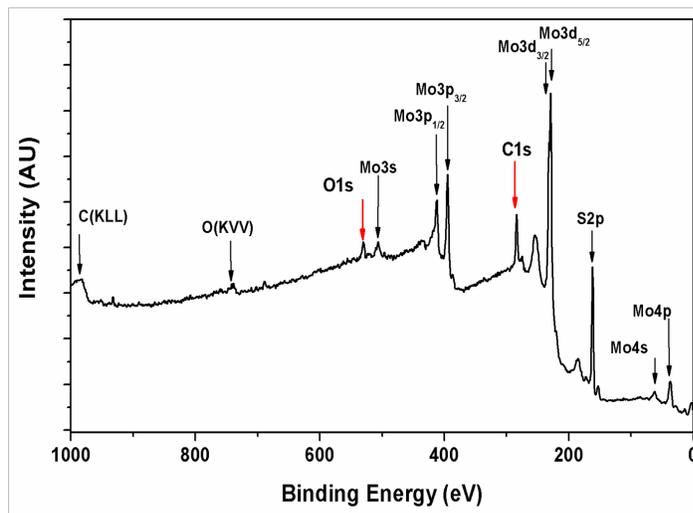


Fig. S1: XPS spectra for graphene/MoS₂, directly after introduction in the UHV chamber. The O-1s signal from water and subsurface oxygen contamination and the graphene C-1s signal are highlighted by red-arrows.

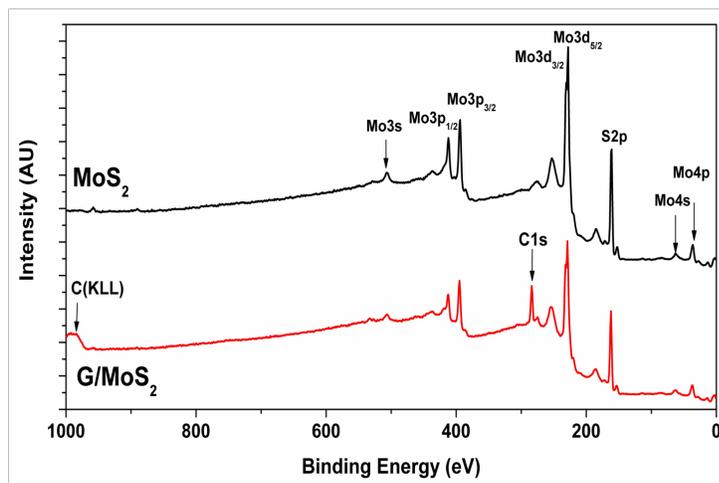


Fig.S2: Comparison of XPS survey scans of bare MoS₂ (black) and graphene covered MoS₂ (red). The XPS spectra for the graphene covered MoS₂ sample was taken after annealing at ~300C for 5 hours. Note that in the survey scan no signal from oxygen can be observed, indicating the desorption of water from the interface.