

Supporting Information

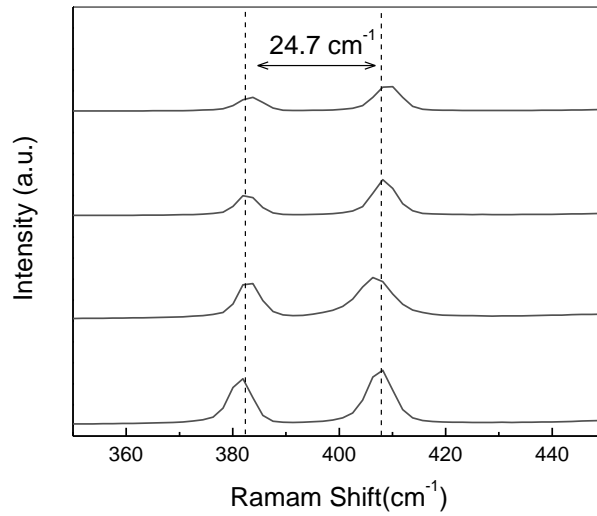


Figure S1. Raman spectra of a multi-layers MoS₂ growth on the SiO₂/Si substrate tested at different locations, corresponding to the data in Figure 3a–d.

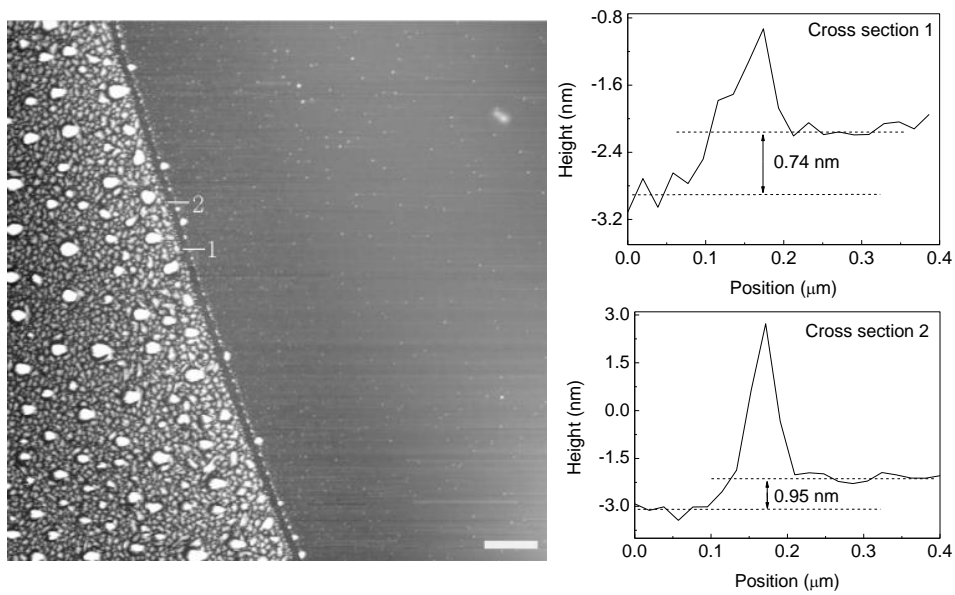


Figure S2. AFM image of monolayer MoS₂ showing the edge of the domain. Scale bar represents 1 μm in AFM image.

Table S1. Average height of the monolayer MoS₂ corresponding to the data in Figure S2 and Figure 6.

Locations	Height (nm)
1	0.88
2	1.13
3	0.74
4	0.95
5	0.99
Average	0.9 ± 0.1