

CVD-Grown MoS₂ Structures: Spiral Growth Mechanisms and Mechanical Response.

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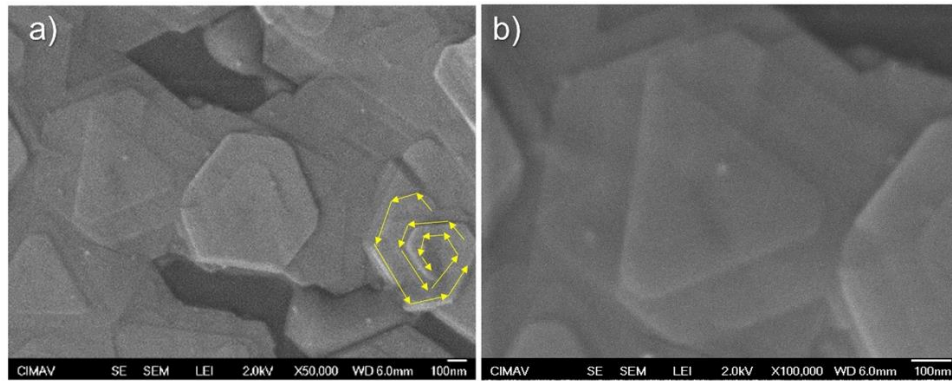


Fig. 1. a) SEM micrograph at 50,000× magnification displaying the spiral growth of MoS₂ structures. b) SEM micrograph at 100,000× magnification providing a closer view of the MoS₂ spiral growth pattern.

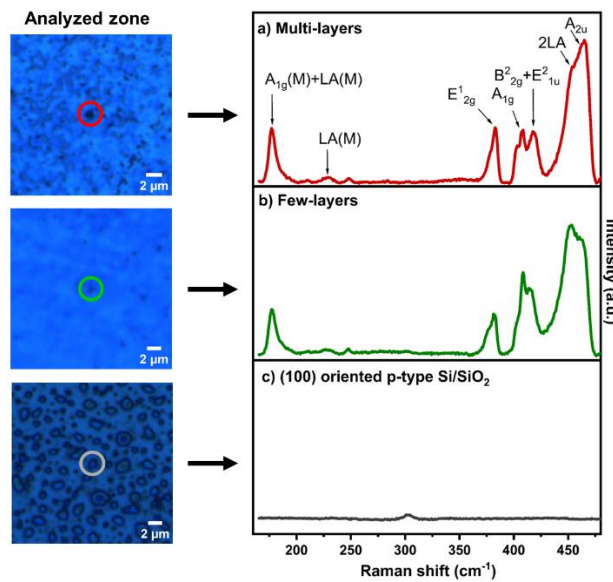


Fig. 2. Raman spectra of a) multi-layer MoS₂, b) few-layer MoS₂, and c) (100) oriented p-type Si/SiO₂ substrate.

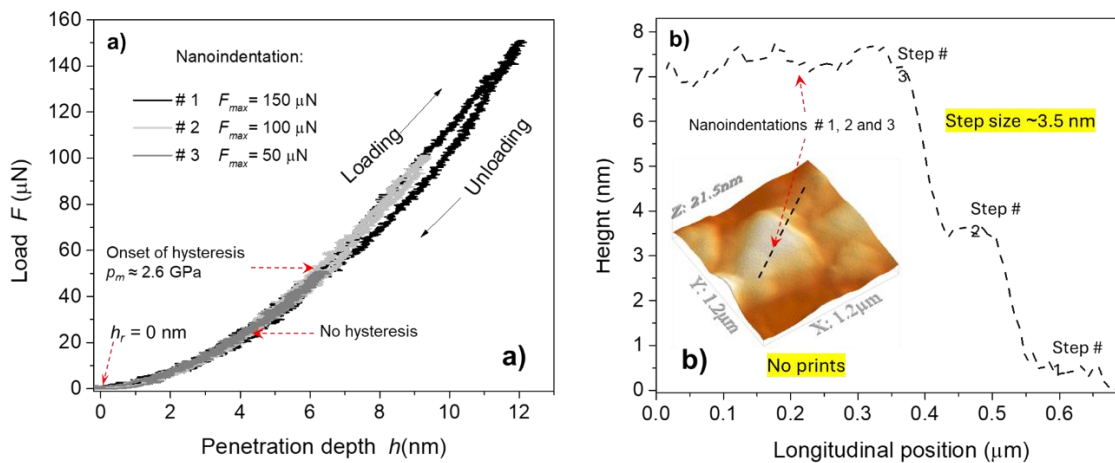


Fig. 3. a) F - h curves showing the elastic response, and b) transverse profile of the MoS₂ structure surface (inset) obtained from nanoindentation tests.