Plasma-assisted Transfer-printing of Ordered Arrays of 2D Nanocrystal Features for Nanoelectronic Applications

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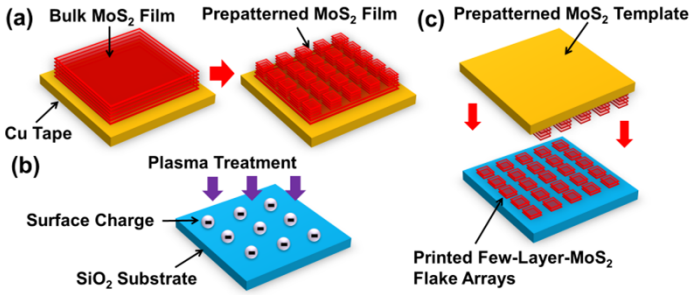
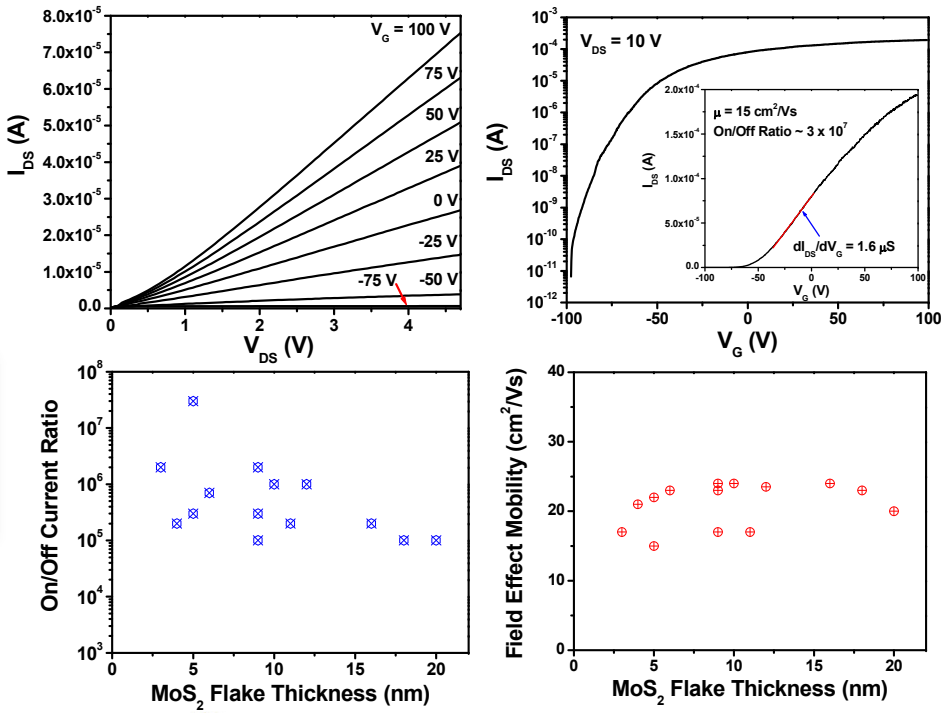
Goal: Creat an upscalable printing-based approach for producing orderly arranged, pristine few-layer patterns of emerging 2-D crystals, including MoS_2 and graphene, and facilitate scale-up electronic applications of 2-D materials.

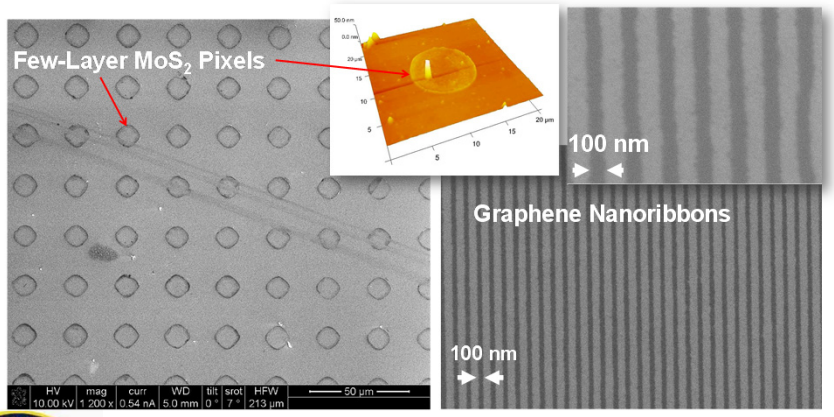
Plasma – Assisted Transfer Printing



Transport Characterization of MoS2 Transistor Arrays



As-printed Arrays of MoS2 and Graphene



Supported by NSF grant #CMMI-1232883

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X. Liang, *et al.*, 2013 NSF Workshop on Nano and Micro Manufacturing