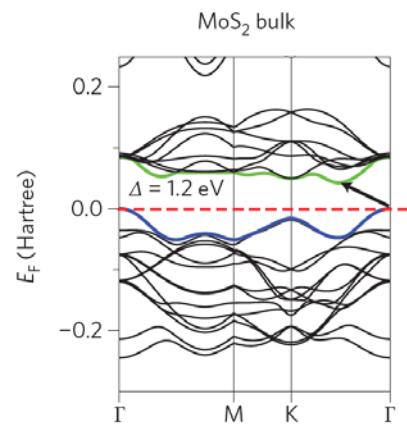
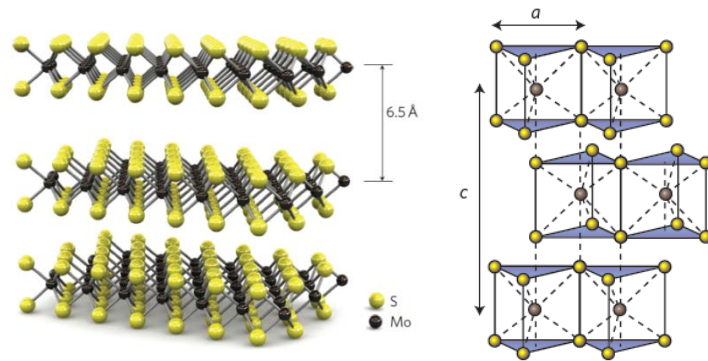


[illegible]

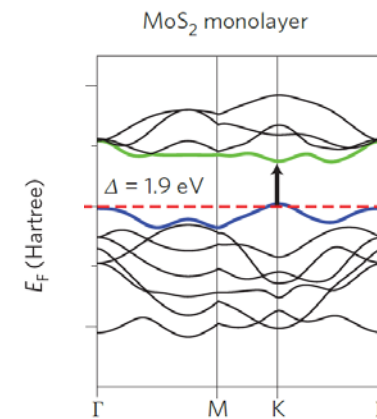
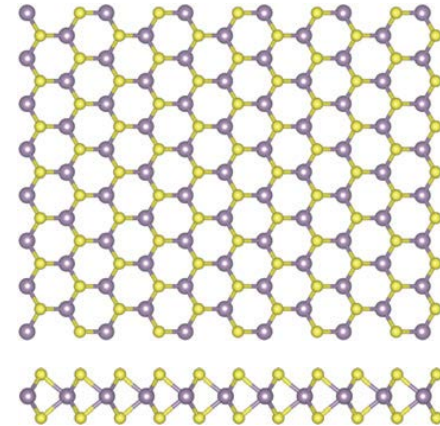
■ Molybdenum Disulfide (MoS_2)

Bulk



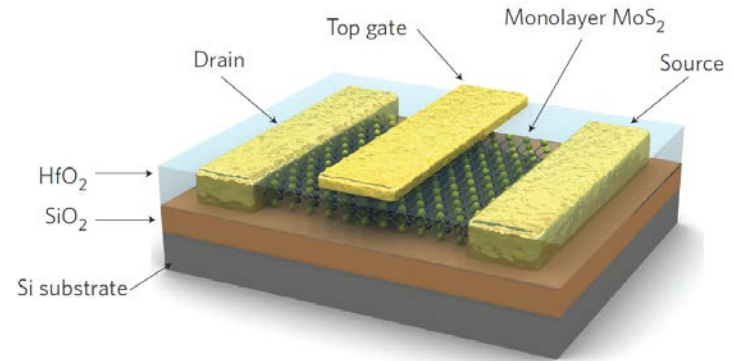
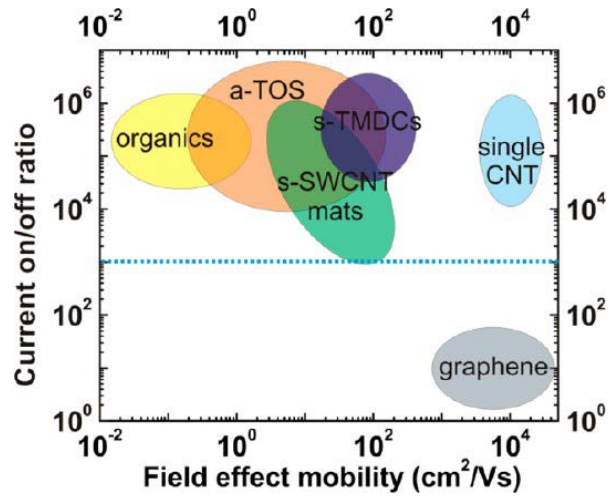
Indirect band gap

Monolayer

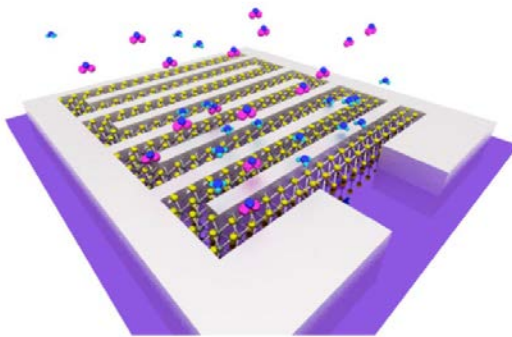


Direct band gap

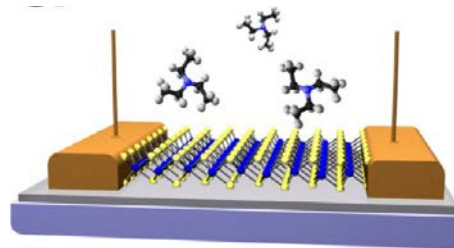
MoS₂ Field Effect Transistor (FET)



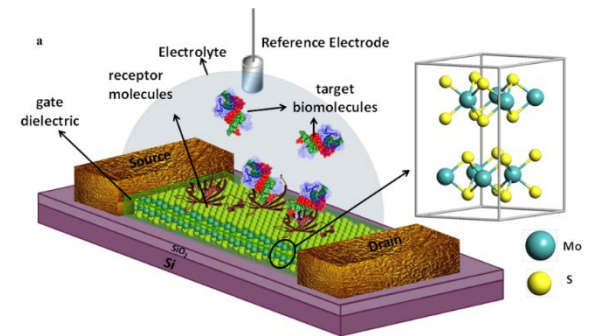
MoS₂ FET



MoS₂ gas sensor



MoS₂ organic material sensor



MoS₂ bio-sensor