**Supplementary Information**

**Magnetic Defects in Transitional Metal Dichalcogenide Semiconducting Layers**

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 Fig.1: X-ray diffraction pattern of MoS2 nanoparticles (NP)



Fig.2: Raman spectra of MoS2 bulk, MoS2 nanoparticles (NP), and MoS2 NP doped with 5% Co and Ni.