

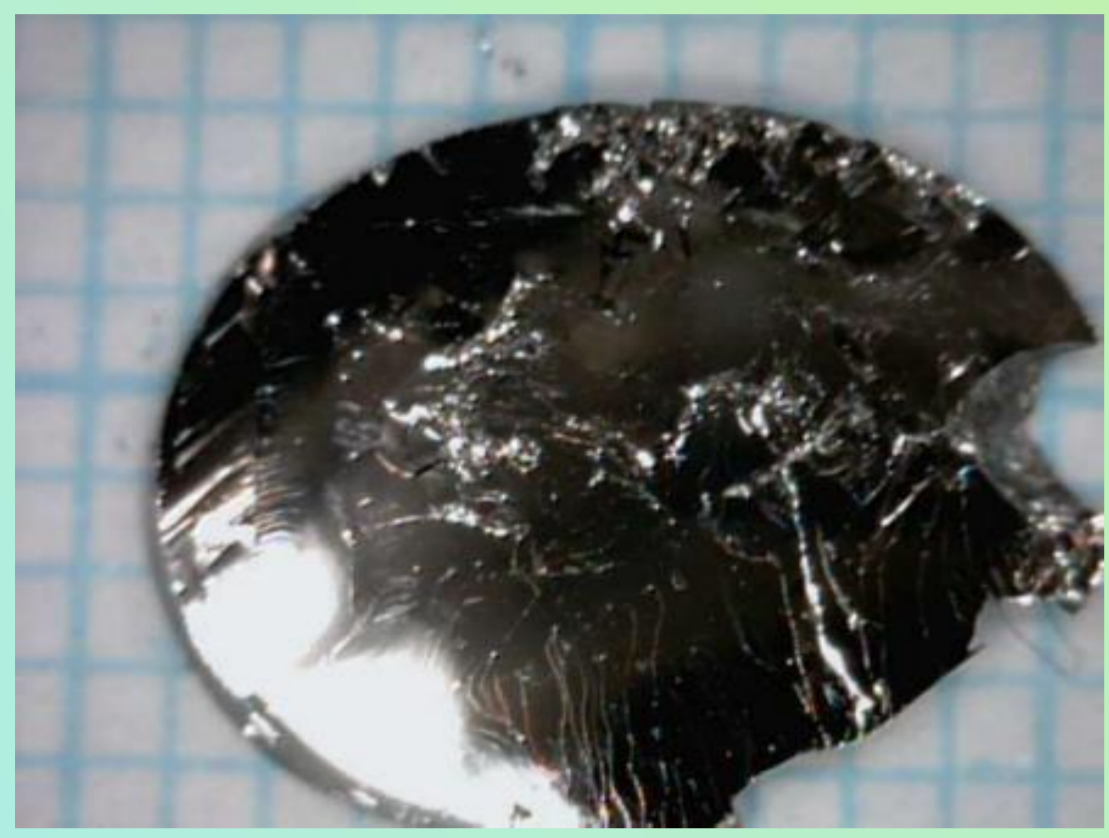
Synthesis of single crystalline van der Waals materials at NCKU

Chia Nung Kuo, Chon Kit Hong, Ying Ru Ou, and Chin Shan Lue

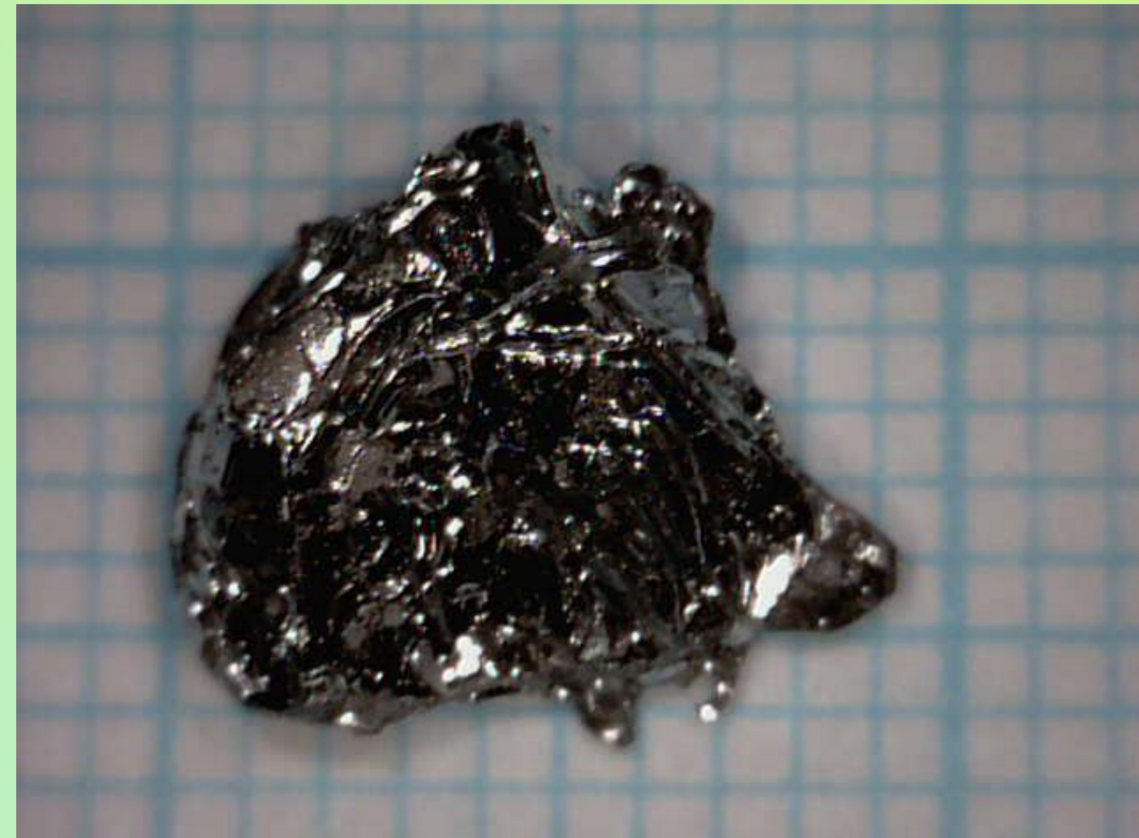
Department of Physics, National Cheng Kung University

Program on Key Materials, Academy of Innovative Semiconductor and Sustainable Manufacturing

Layered Superconductors



$\text{FeTe}_{0.55}\text{Se}_{0.45}$



AuSn_4



PdTe_2

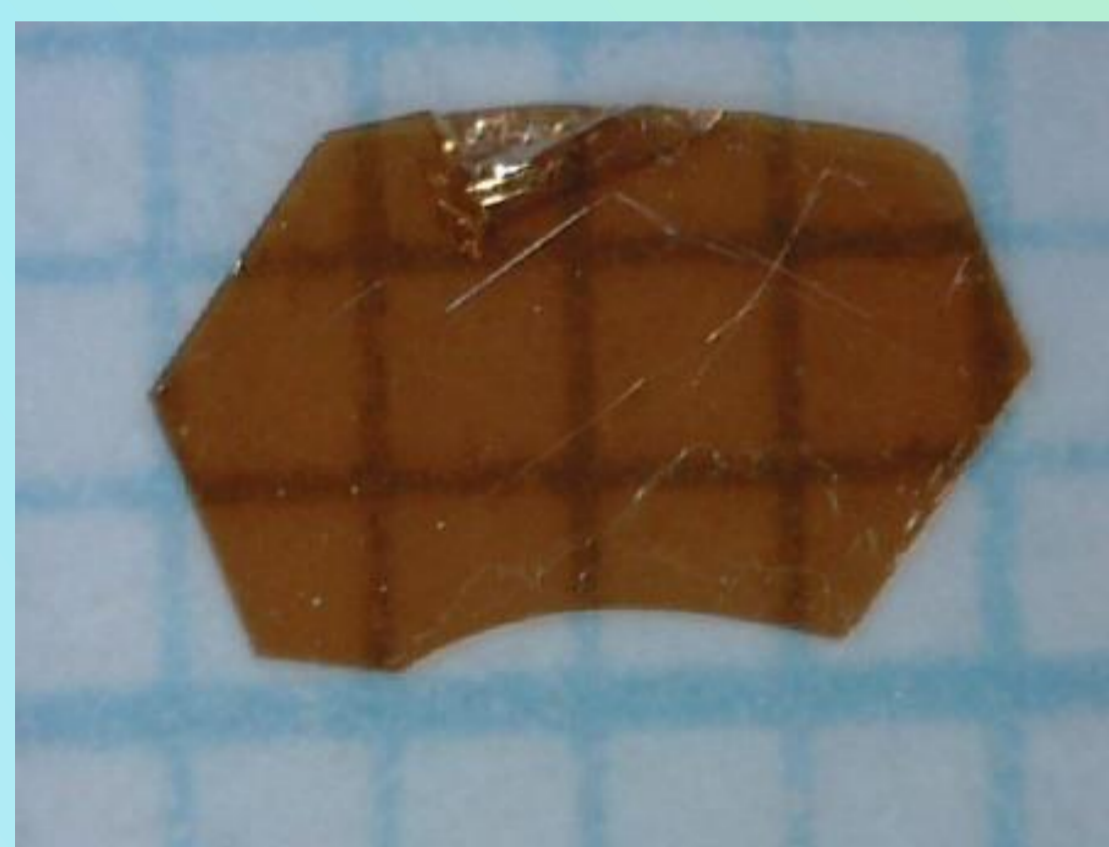


NbSe_2



CuS

Layered Semiconductors



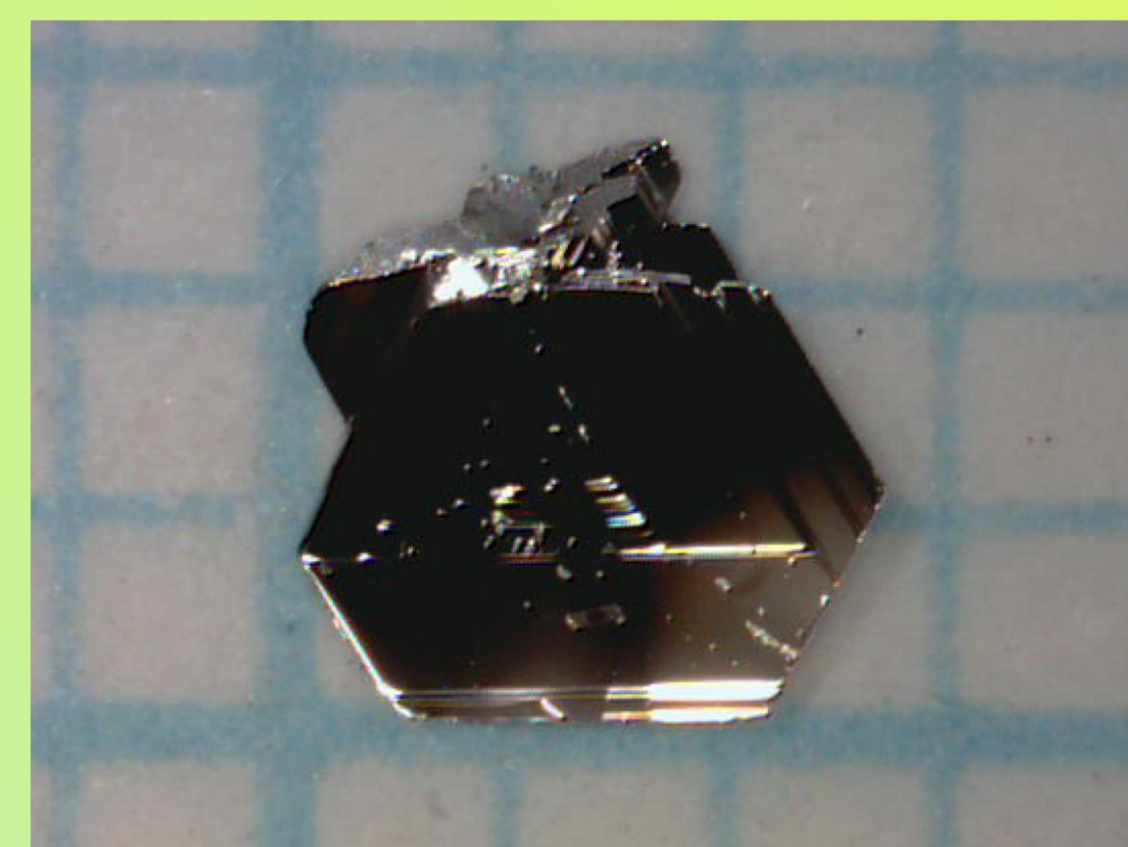
SnS_2



SnSe_2



SnSe



PtS_2



PdSe_2



GeSe



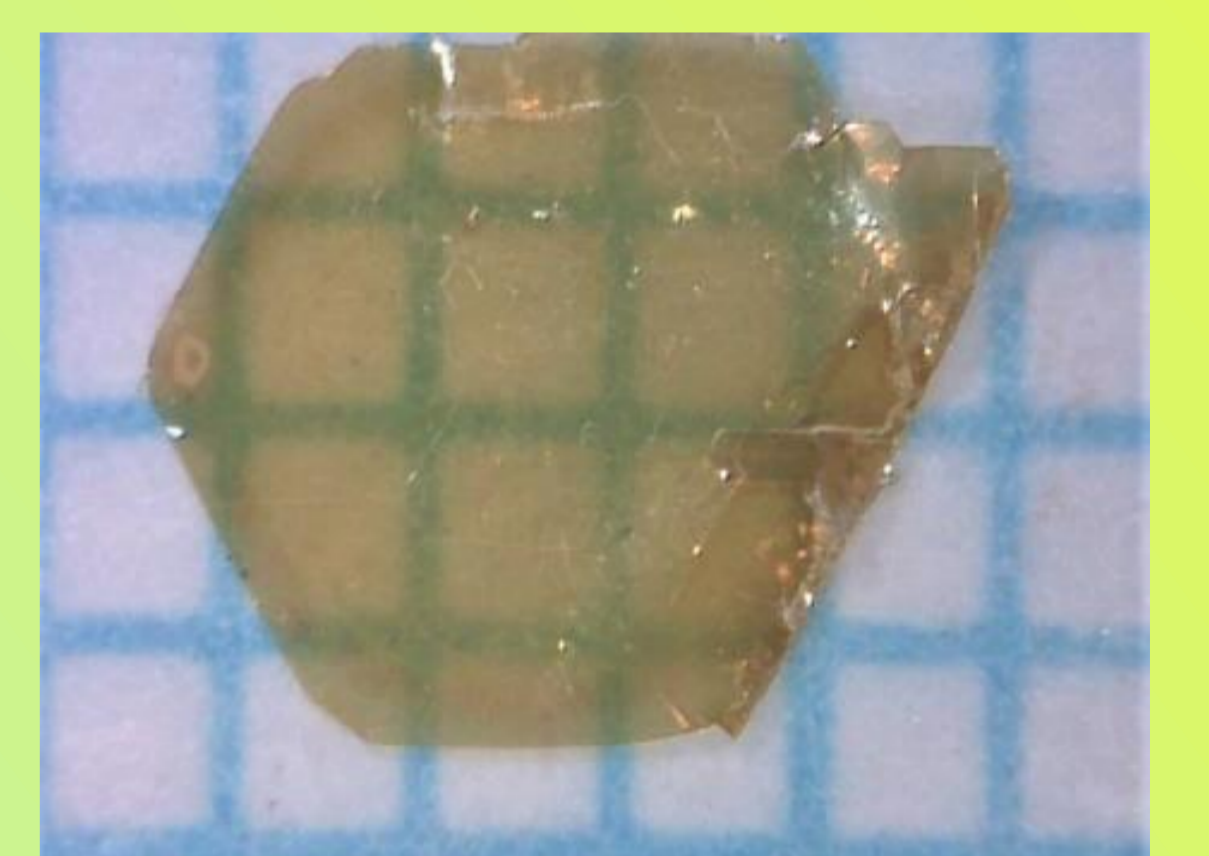
GeSe_2



$\text{Pd}_3\text{P}_2\text{S}_8$

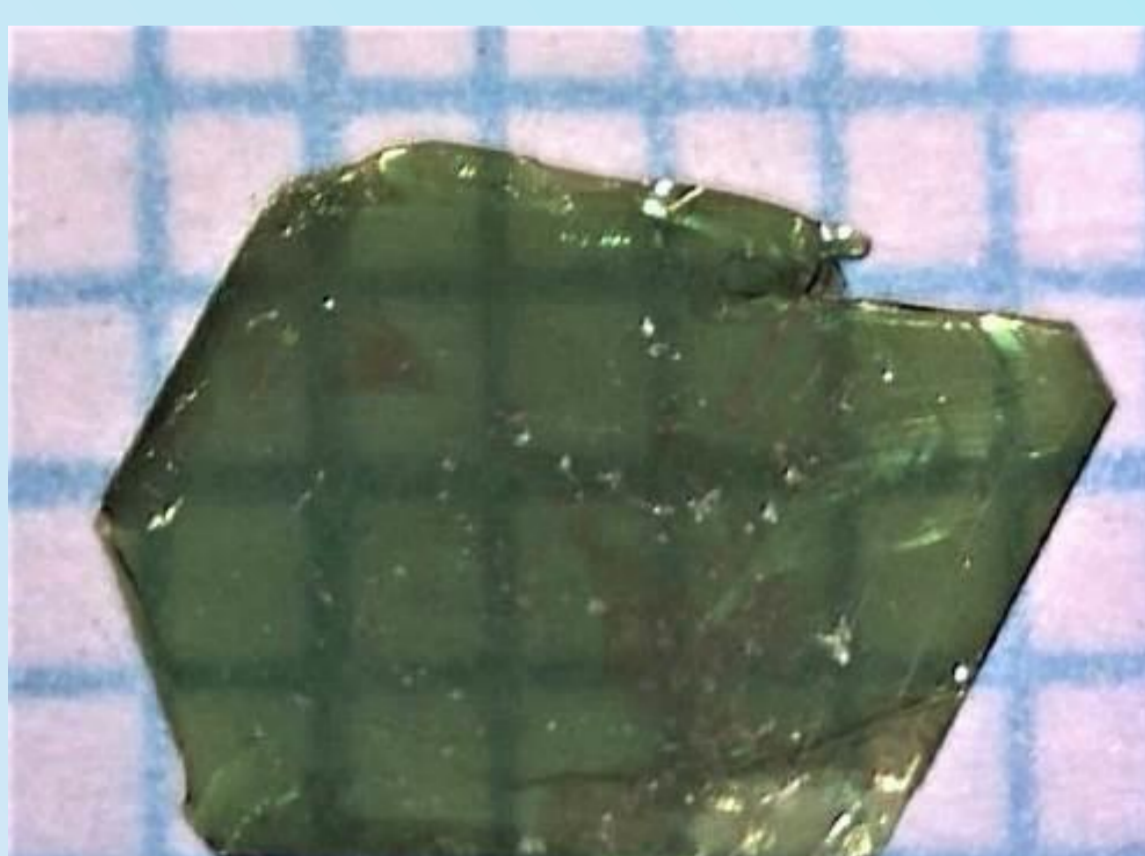


PbI_2

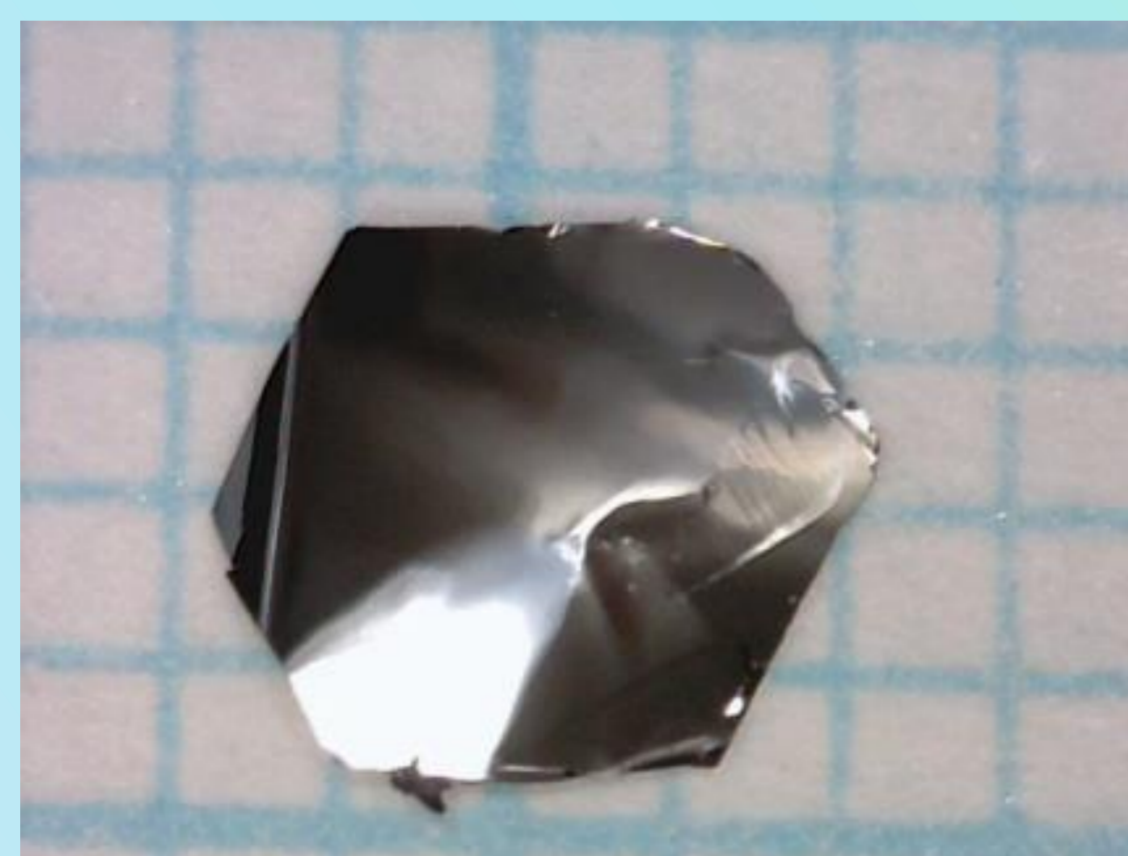


CuInP_2S_6

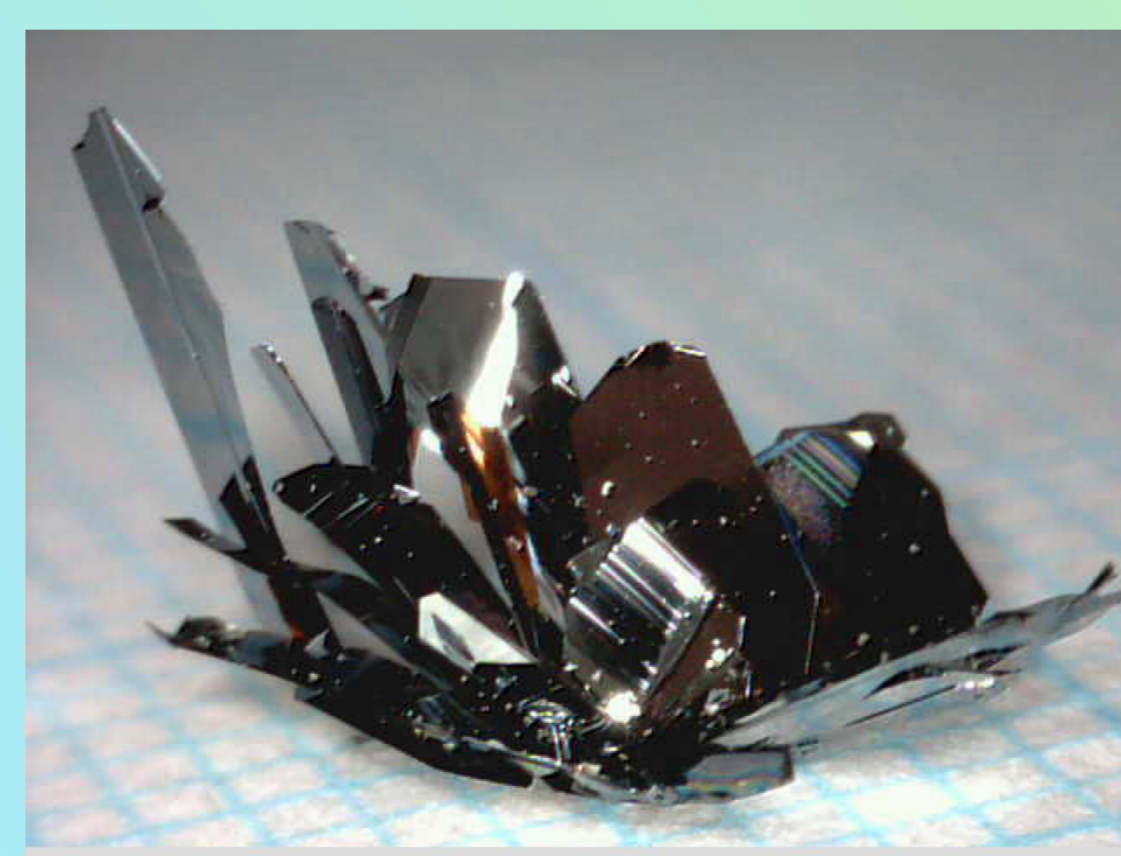
Layered Magnetic Compounds



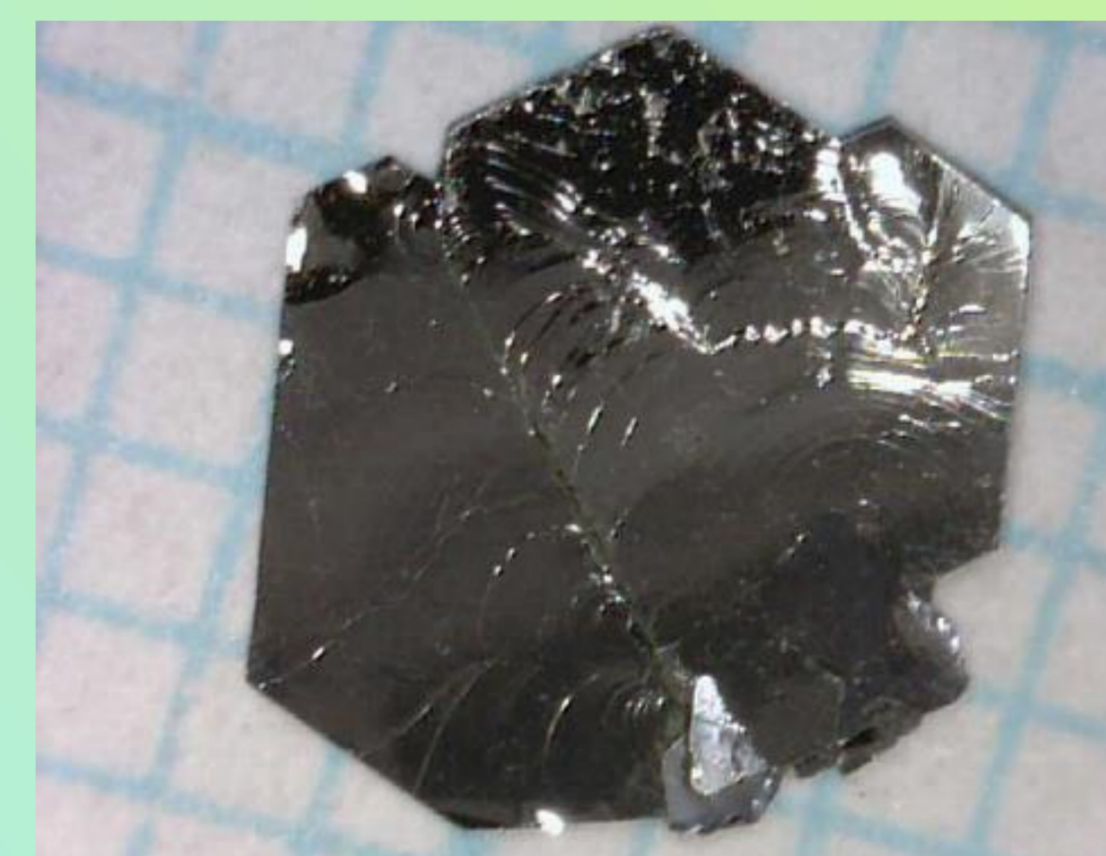
MnPS_3



FePS_3



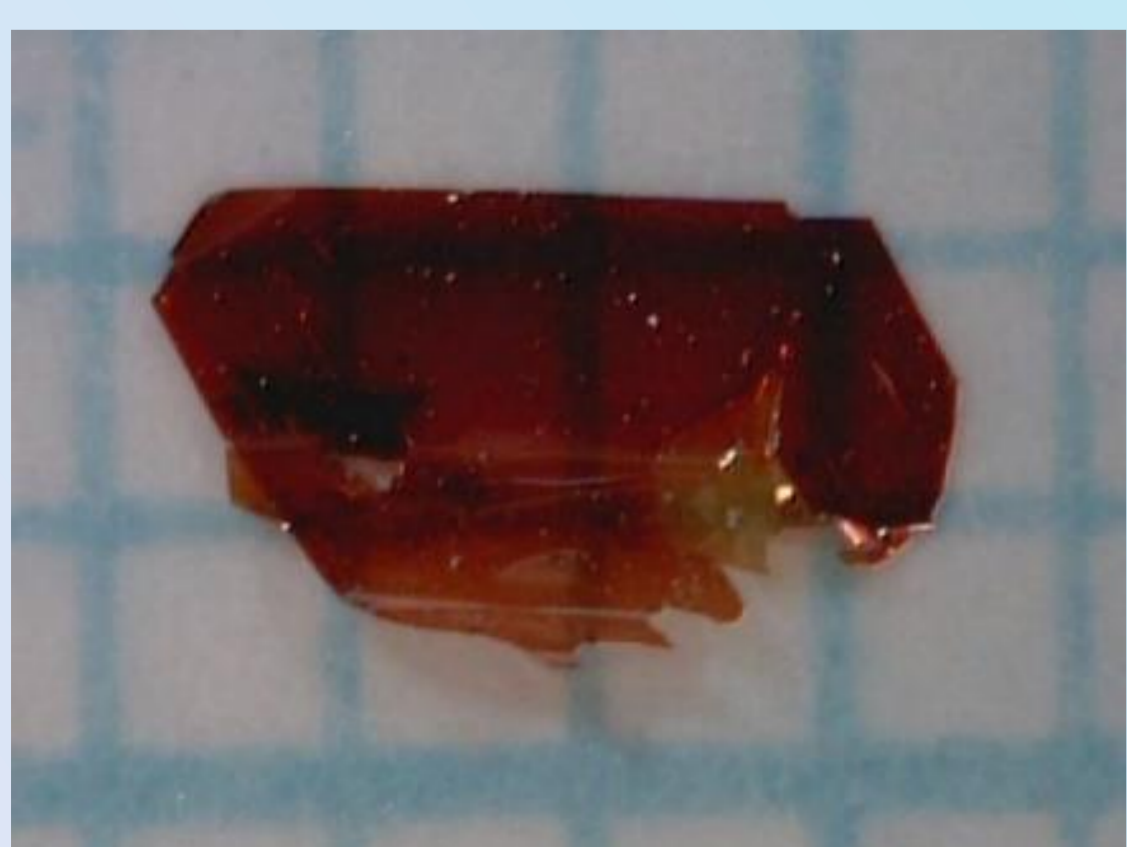
CrPS_4



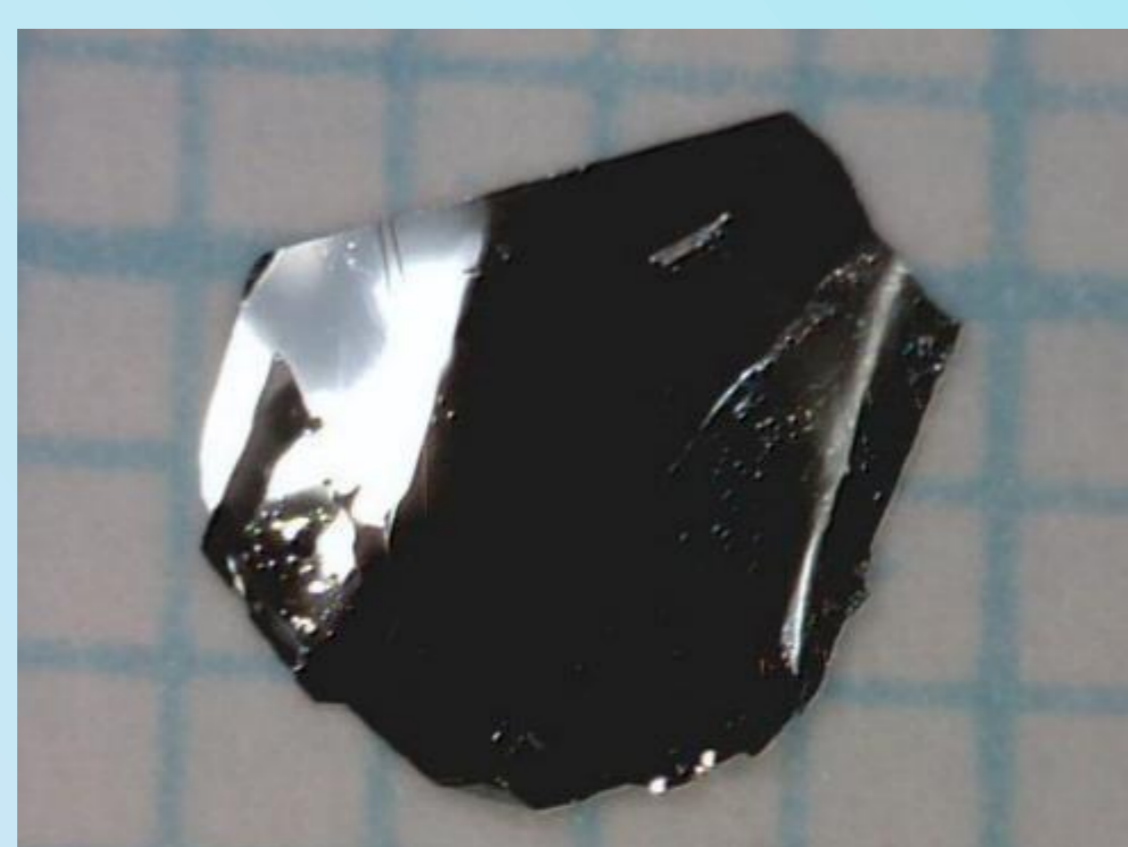
CrGeTe_3



CuCrP_2S_6



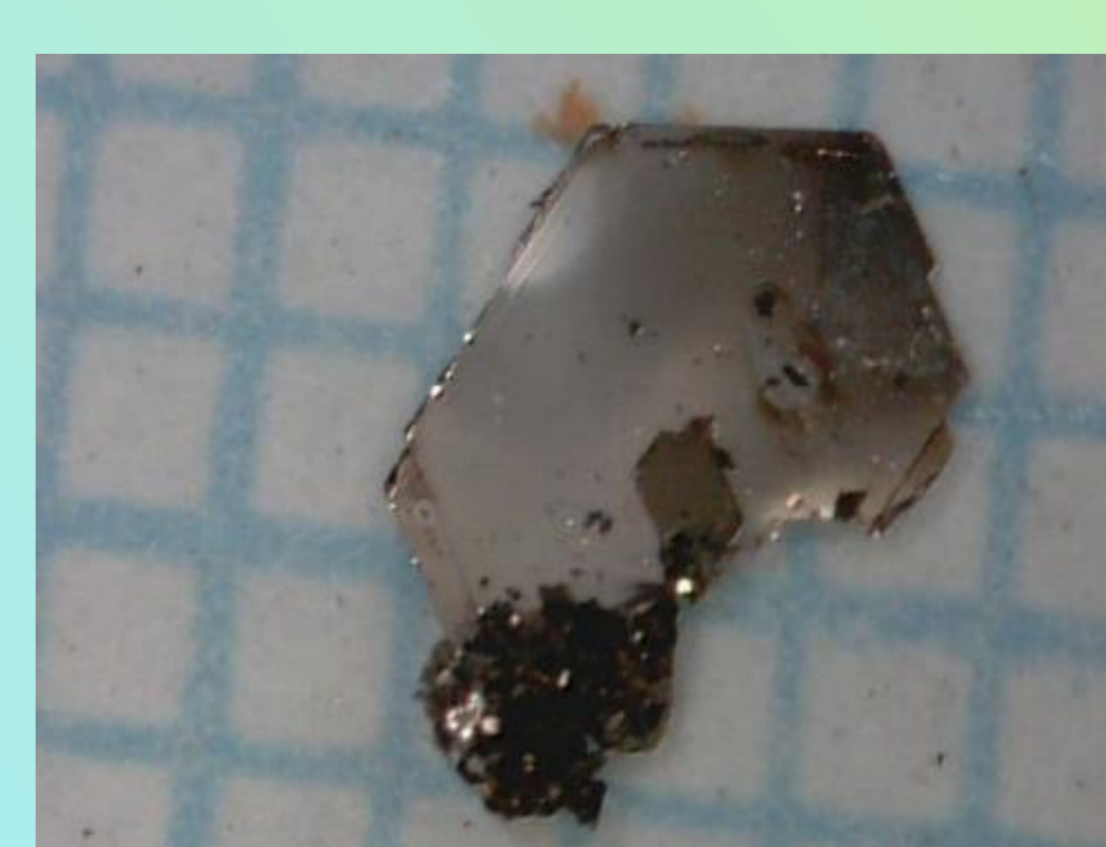
MnPSe_3



FePSe_3



Fe_xTaS_2



Fe_5GeTe_2



ErMn_6Sn_6