



(A) XRD spectrum of ALD Ni deposited on a sapphire wafer. (B) AFM image of the surface of ALD Ni deposited on a sapphire wafer. (C) Optical absorbance vs thickness for ALD Ni deposited on fused silica (FS) and sapphire (Sap) wafers, with a comparison to theory (Sap T). (D) Typical GLAD film. (E) Optical absorbance spectra for ALD Ni deposited on GLAD substrates with varying thickness. (F) Optical absorbance spectra for ALD Ni deposited on GLAD substrates with varying GLAD deposition parameters.