

Supplemental Material

for

Bandgap and Strain Engineering in Epitaxial Rocksalt Structure $(\text{Ti}_{0.5}\text{Mg}_{0.5})_{1-x}\text{Al}_x\text{N}(001)$ Semiconductors

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The supplementary Figure S1 provides optical reflection spectra for all samples in this study. These spectra determine the optical color of each sample, as described in the main document.

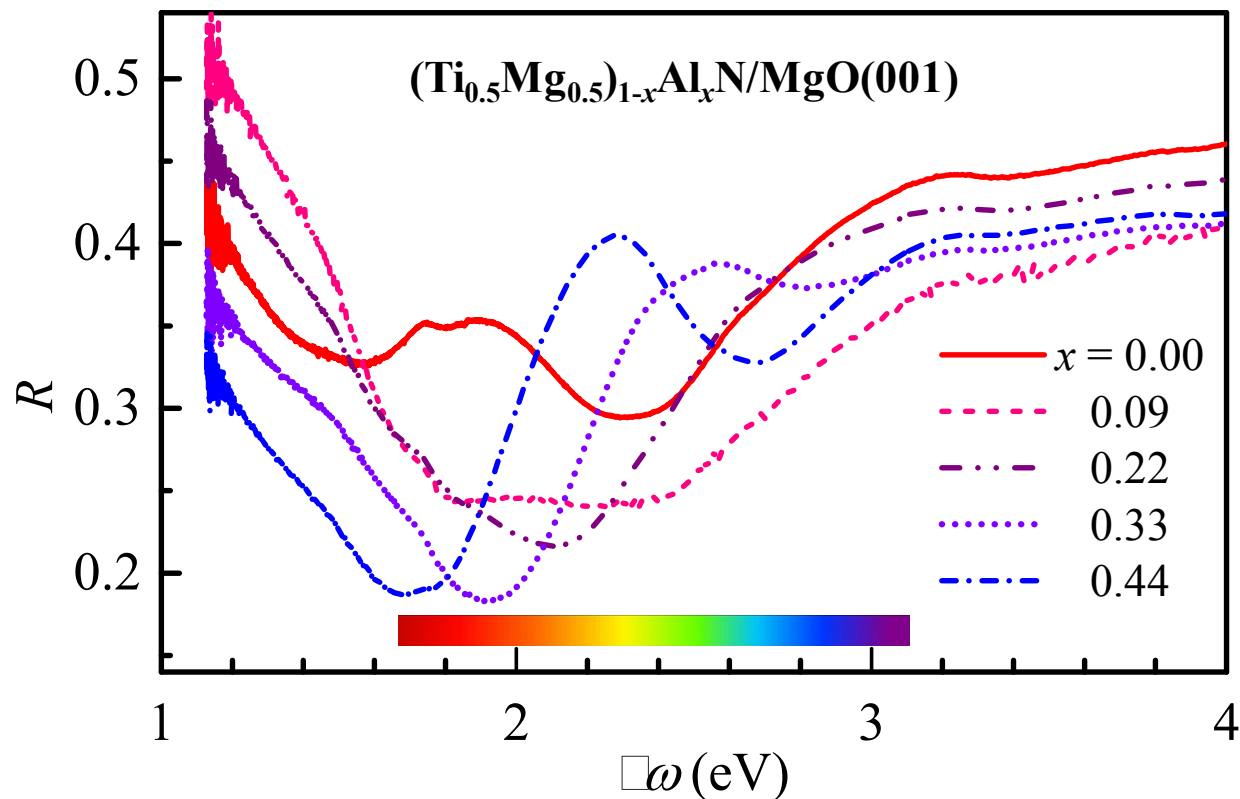


Figure S1: Optical reflection vs photon energy $\hbar\omega = 1.1\text{-}4.0$ eV for 75-135 nm thick $(\text{Ti}_{0.5}\text{Mg}_{0.5})_{1-x}\text{Al}_x\text{N}/\text{MgO}(001)$ layers. The color-decorated spectrum bar at the bottom indicates the color for specific photon energies.