Supporting Information:

Local Structure of Nanocrystalline Aluminum Nitride

- Supporting Information -

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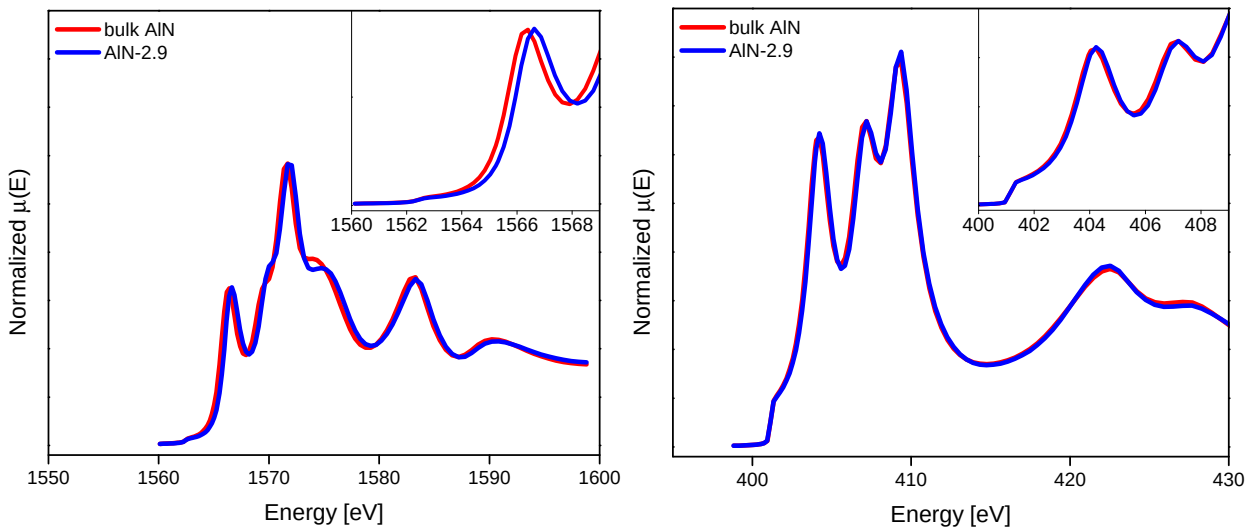
Supporting information



(a) (b)

Figure S1: FEFF simulations of aluminum (a) and nitrogen (b) K-edge XANES spectra of a crystal with bulk lattice parameters (bulk lattice parameter values taken from[S1]) and lattice parameters obtained from Rietveld refinement of the AlN-2.9 diffraction pattern.

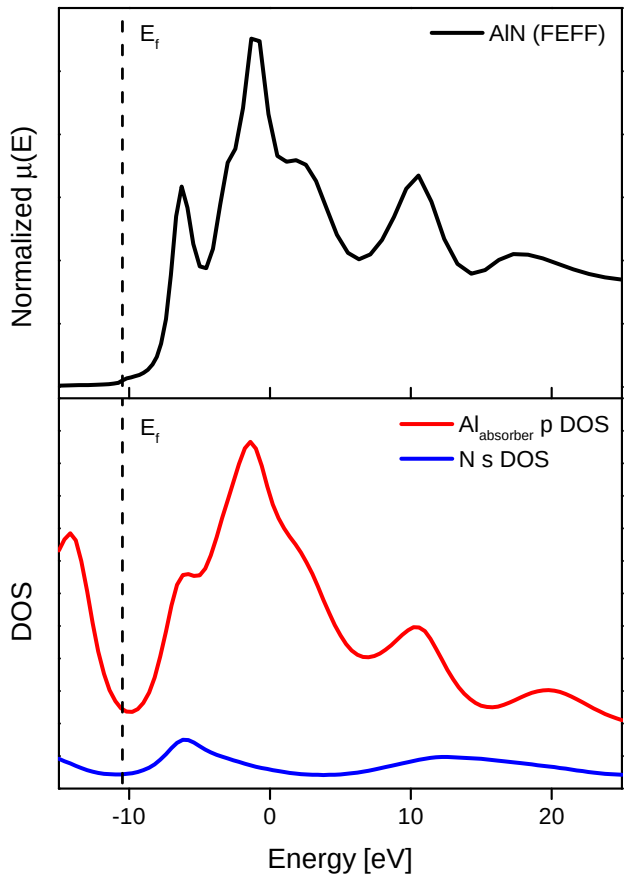


Figure S2: FEFF XANES simulations of one abosrber atom in the AlN cluster and the corresponding $Al_{absorber}$ p and N s density of states (bottom). The Fermi level is plotted with a dashed line.

References

(S1) Schulz, H.; Thiemann, K. Crystal Structure Refinement of AlN and GaN. *Solid State Commun.* **1977**, *23*, 815–819.