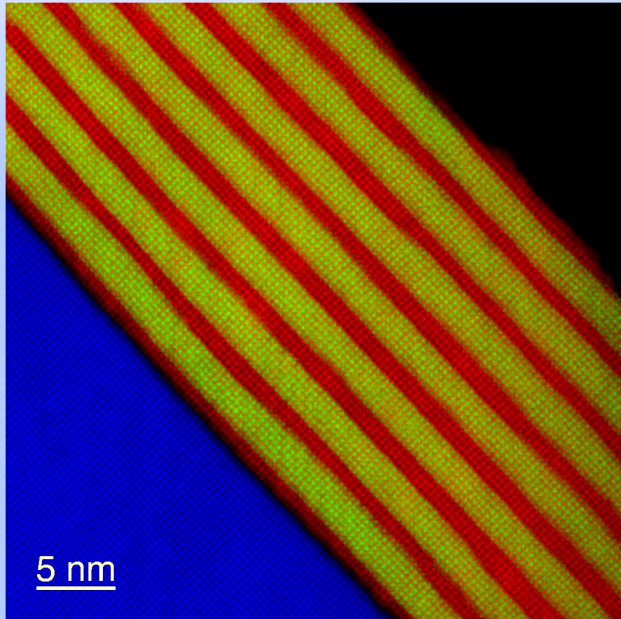


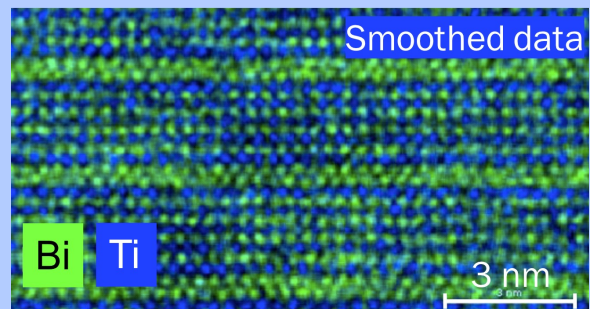
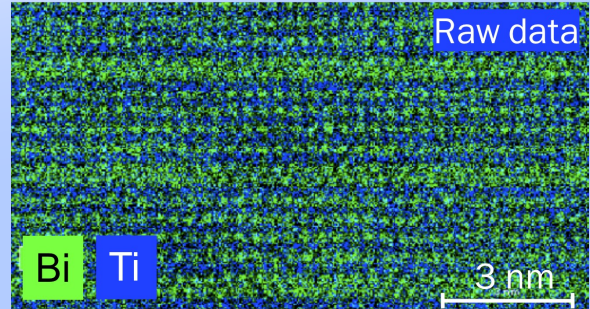


# Never Equaled

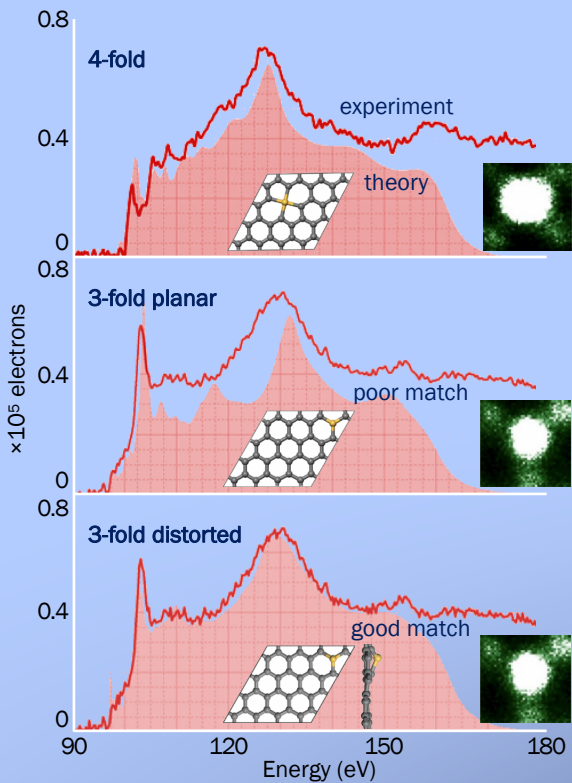
## Elemental mapping and single atom spectroscopy with the Nion UltraSTEM™



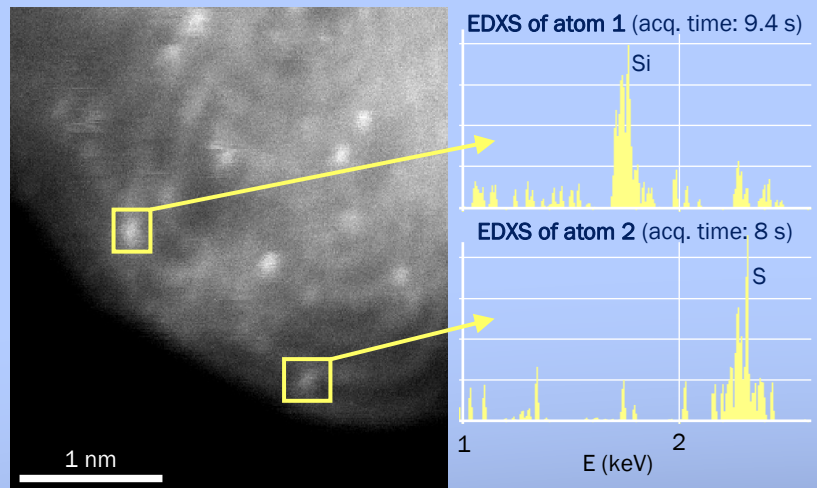
1k×1k EEL chemical map of  $\text{LaMnO}_3/\text{SrMnO}_3$  superlattice. Monkman et al., Nature Mater. 11 (2012) 855



EDXS mapping of  $\text{Bi}_6\text{Ti}_x\text{Fe}_y\text{Mn}_z\text{O}_{18}$ . Keeney et al., Sci. Rep. 7 (2017) article 1737



Analyzing the atomic environment of a single Si atom by EELS fine structure studies. Ramasse et al., Nano Letters 13 (2013) 4989



HAADF STEM image of single-atom impurities in meteorite nanodiamond.

Stroud et al., Appl. Phys. Lett. 108 (2016) 163101