

Research Information



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Research Field

Research on crystal structure and electronic structure of functional materials by atomic resolution analytical scanning transmission electron microscopy. Surface excitations in nanomaterials are also investigated using spatial resolution electron energy-loss spectroscopy.

Research Facility

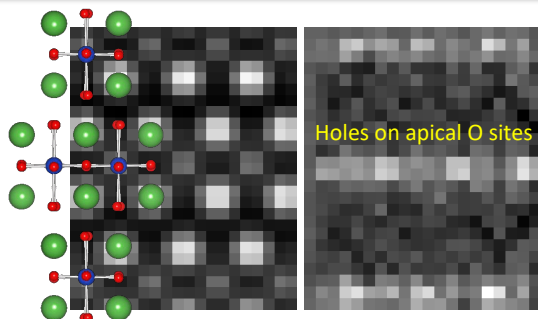
Atomic resolution analytical STEM



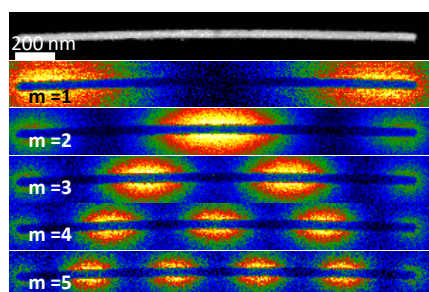
Cryo-TEM



Research Activities



STEM image of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ and hole mapping
Rhys. Rev. B97, 205139 (2018)



Surface plasmon mapping excited on Ag nanowire
J. Appl. Phys. 124, 093103 (2018)

Comments

Shall we explore nanoworld?

<http://eels.kuicr.kyoto-u.ac.jp/Root>