

Acronyms

K Kelvin

UHV Ultra high vacuum

LEED Low-energy electron diffraction

DLEED Diffuse low-energy electron diffraction

TDS Thermal desorption spectroscopy

AES Auger electron spectroscopy

IRAS Infrared reflection absorption spectroscopy

DFT Density functional theory

HREELS High resolution electron energy loss spectroscopy

XPS X-ray photoelectron spectroscopy

XPD X-ray photoelectron diffraction

UPS Ultraviolet photoelectron spectroscopy

EELS Electron energy loss spectroscopy

STM Scanning tunneling microscopy

HOMO The highest occupied molecular orbital

LUMO The lowest unoccupied molecular orbital

a.u. arbitrary unit

L Langmuir

ML monolayer