

## LIST OF ABBREVIATIONS

BET	=	Brunauer Emmett Teller
CHA	=	Concentric Hemispherical Analyzer
DRIFTS	=	Diffuse Reflectance Infrared Fourier Transform Spectroscopy
FTIR	=	Fourier Transform Infrared spectroscopy
FWHM	=	Full Width at Half Maximum intensity
JCPDS	=	Joint Committee on Powder Diffraction Standard
MCT	=	Mercury Cadmium Telluride
OPD	=	Optical Path Difference
rpm	=	Round per minute
TGA	=	Thermogravimetric Analysis
TPO	=	Temperature-Programmed Oxidation
TPR	=	Temperature-Programmed Reduction
UPS	=	Ultraviolet Photoelectron Spectroscopy
VOCs	=	Volatile Organic Compounds
XPS	=	X-ray Photoelectron Spectroscopy
XRF	=	X-ray Fluorescence Spectroscopy
XRD	=	X-Ray Diffraction
ZPD	=	Zero Path Difference