



Figure 1. (a) TEM a continuous amorphous TiO_2 layer deposited on the O_2 -treated MWCNT. Typical calibration curve (resistance vs concentration) of Chem-MWCNT/ TiO_2 measured upon Benzene exposure at concentration of 5, 10, 25, 50 ppm, and Toluene exposure at concentration of 0-10 ppm where TiO_2 has been deposited at different ALD temperatures (175°C, (b) and 200°C (c)).