

Supplemental Section C: XPS Data for Heat Treated Samples

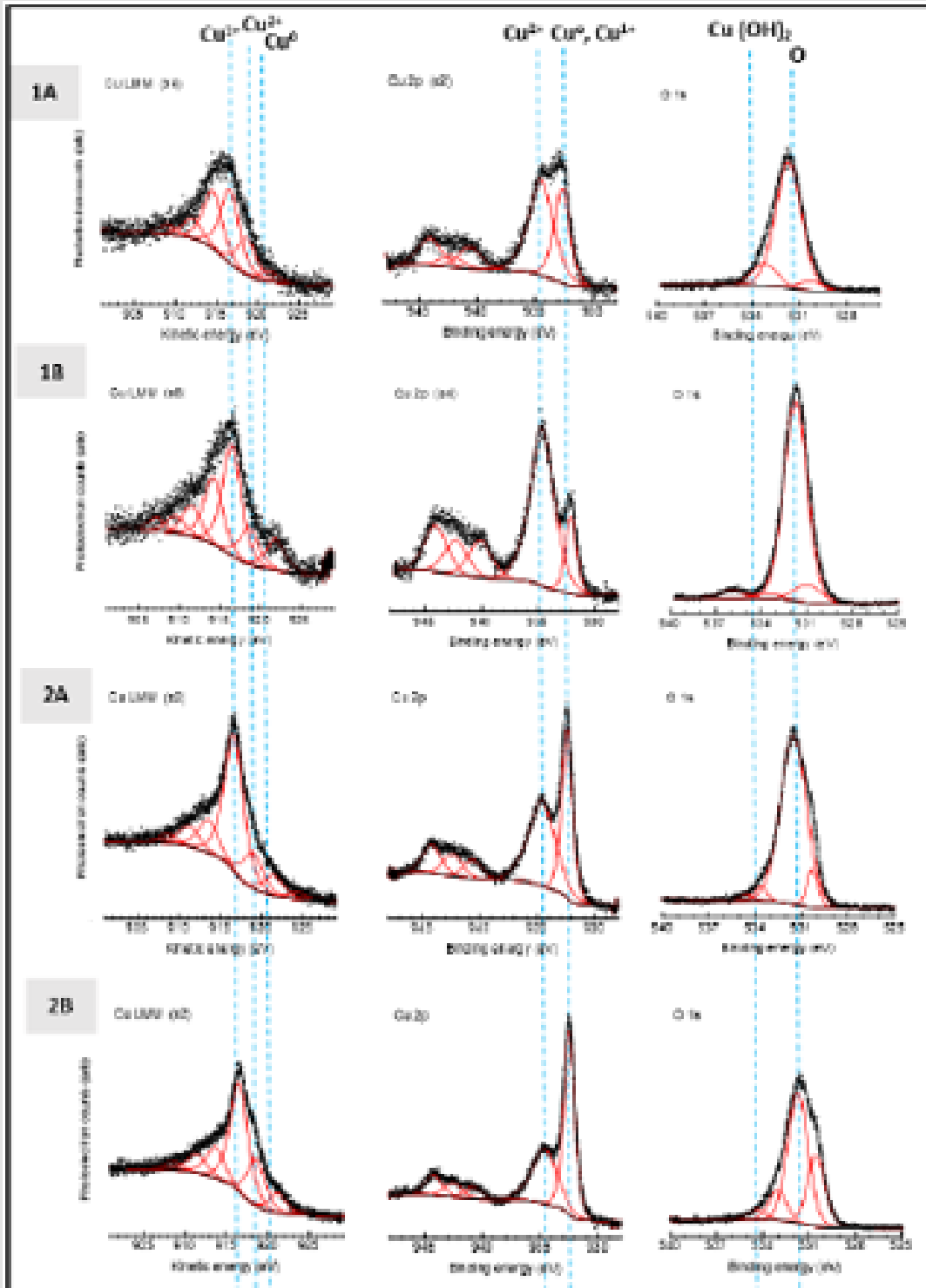


Figure 1: XPS from left to right: Auger electron spectra of the Cu LMM region, XP spectra of the Cu 2p_{3/2} region, XP spectra of O. For as-made (1A) and corroded (1B) heat treated conventional Cu. For as-made (2A) and corroded (2B) heat treated nanomaterial Cu. The dashed lines represent the location of each species.

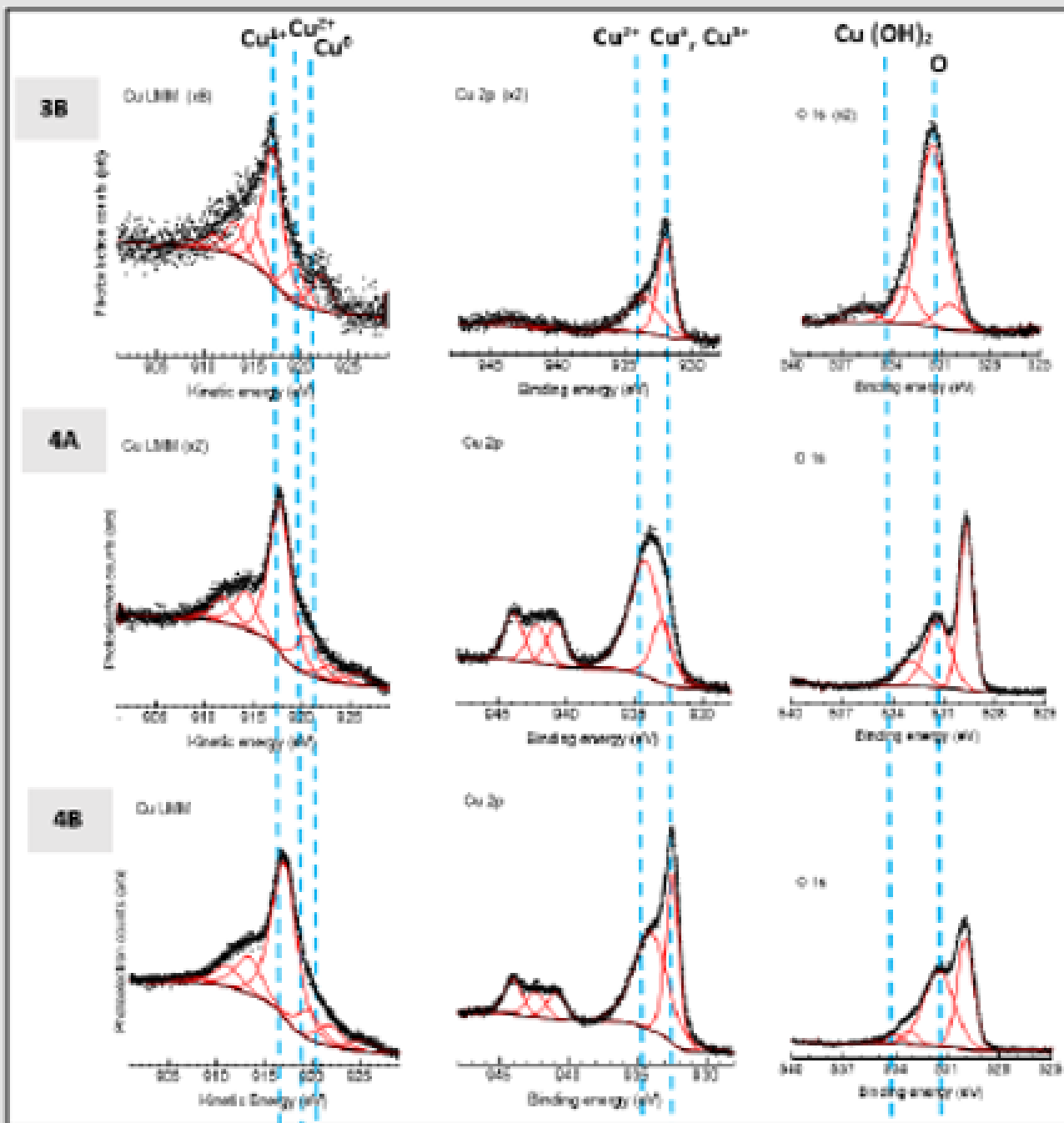


Figure 2: XPS from left to right: Auger electron spectra of the Cu LMM region, XP spectra of the Cu 2p_{3/2} region, XP spectra of O. There is no 3A for as made since the sample had too much carbon on it, corroded (3B) for heat treated Bulk Cu. For as-made (4A) and corroded (4B) CuO. The dashed lines represent the location of each species.