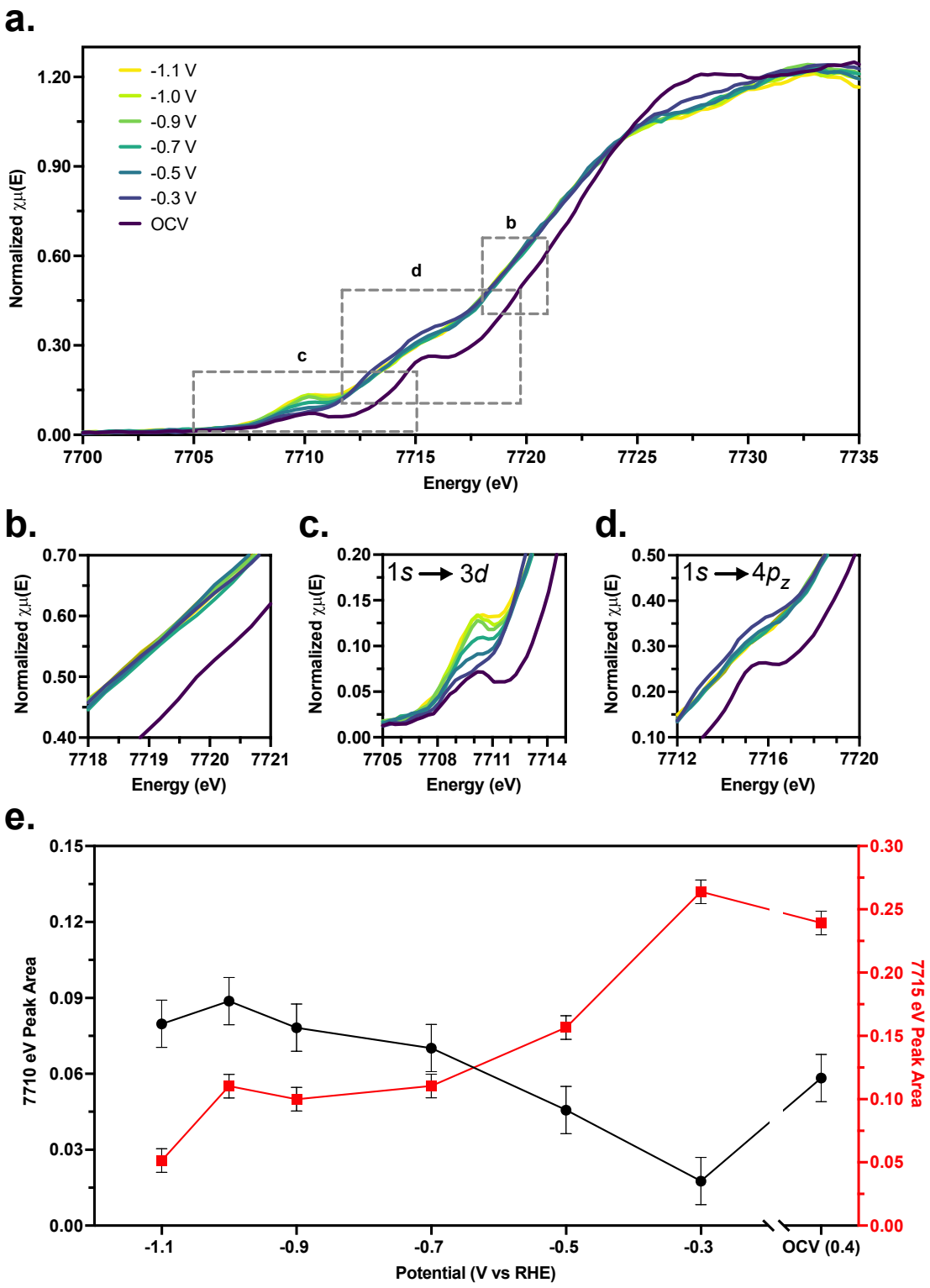

Figure 4. a. Potential dependent Co K-edge XANES spectra at varied applied potential. **b.** Zoom in on edge shift. **c.** Zoom in on 7710 eV feature. **d.** Zoom in on 7716 eV feature. **e.** Pre-edge peak areas as a function of applied potential.

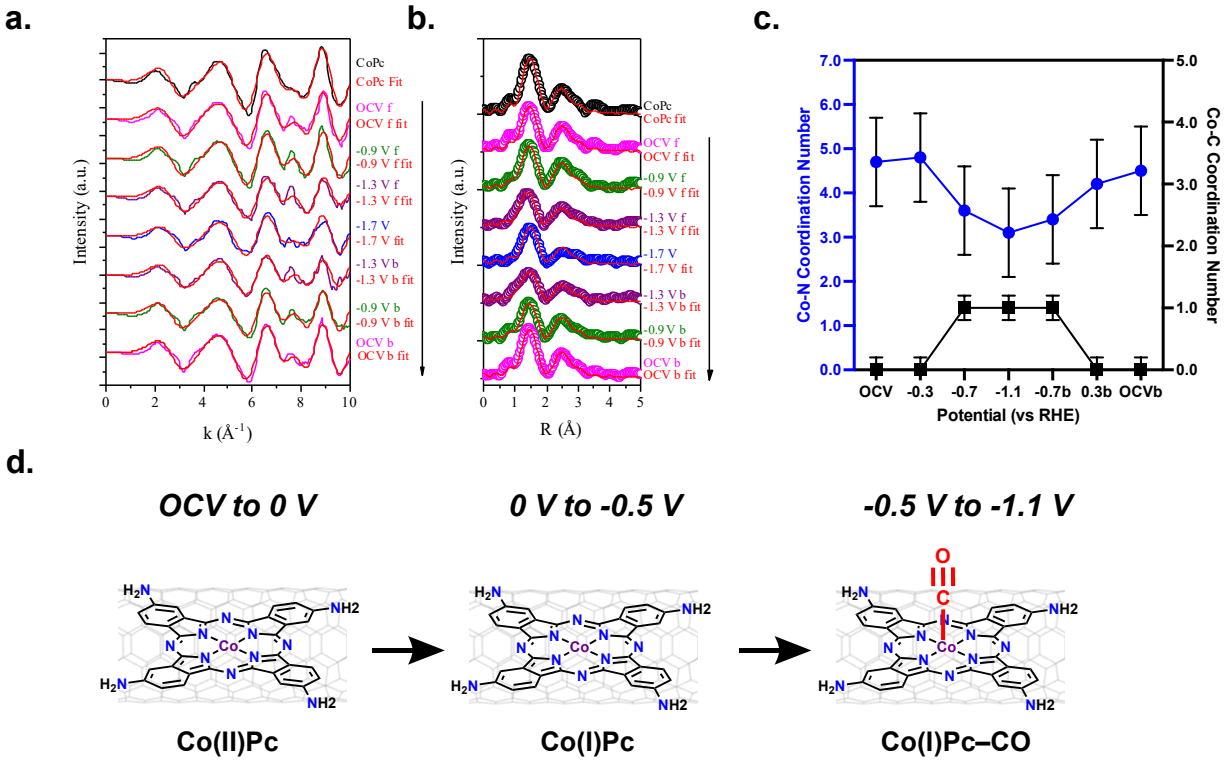

Figure 5. a. k-space EXAFS results and fitting from *in situ* XAS of CoPc-NH_2/CNT during electrochemical CO_2 reduction. **b.** R-space EXAFS results and fitting. **c**. Coordination number for Co-N and Co-C bonds as a function of applied potential. **d.** Structure models of resting state CoPc-NH_2/CNT within different applied potential windows.