

Fig. S1. The OM observation of 0.2N (a) and 0.4N (b) hot-rolled alloys.

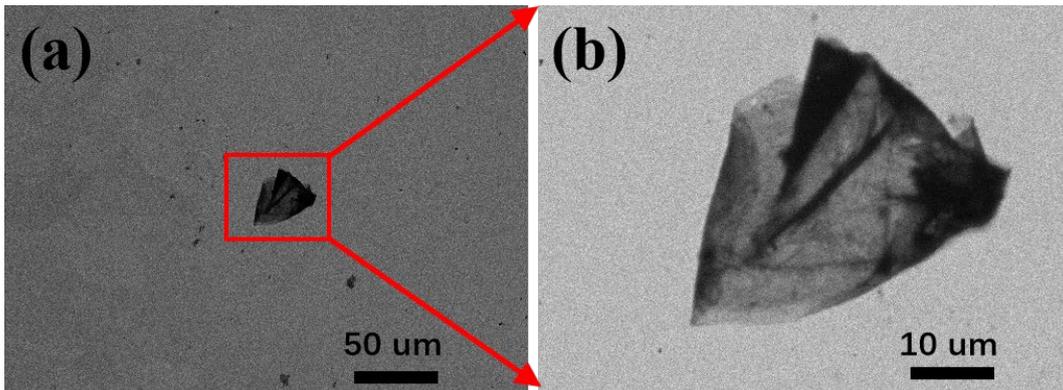


Figure S2. Corrosion morphology after potentiodynamic polarization test in 3.5% NaCl with pH=1.

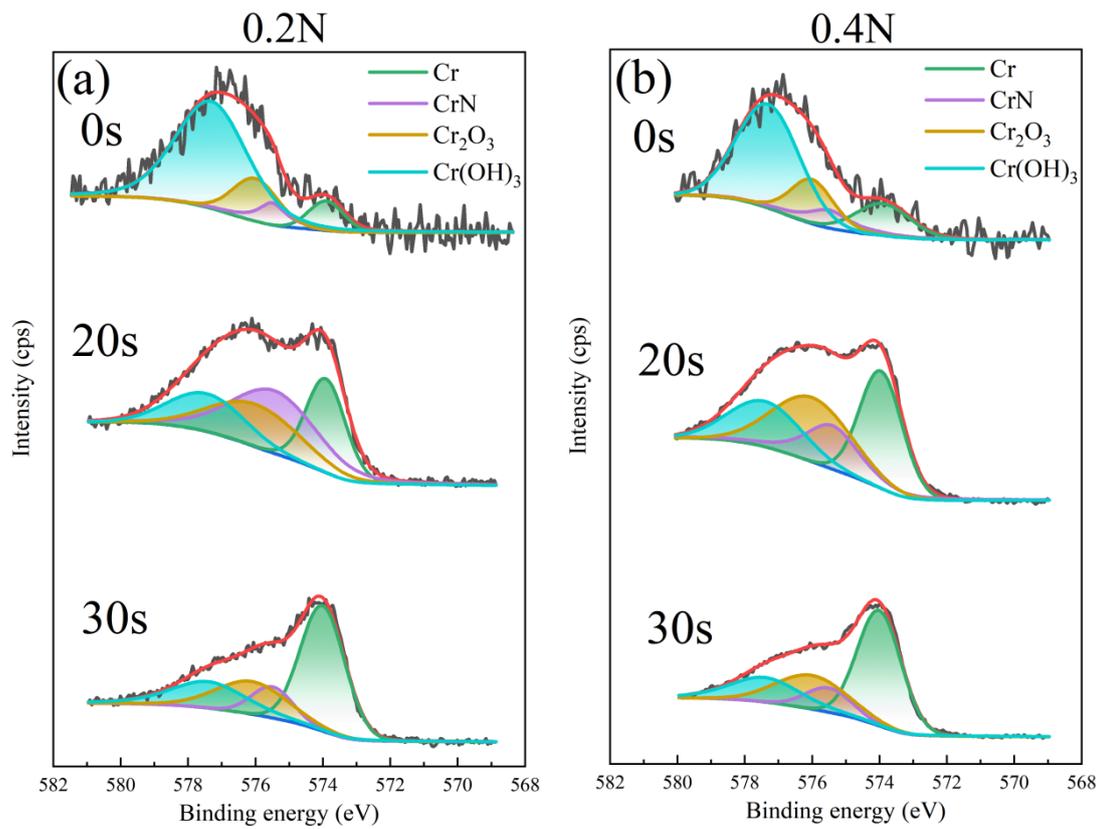


Figure S3. The change of Cr 2p spectra of 0.2N-ST (a) and 0.4N-ST (b) samples with sputtering time.

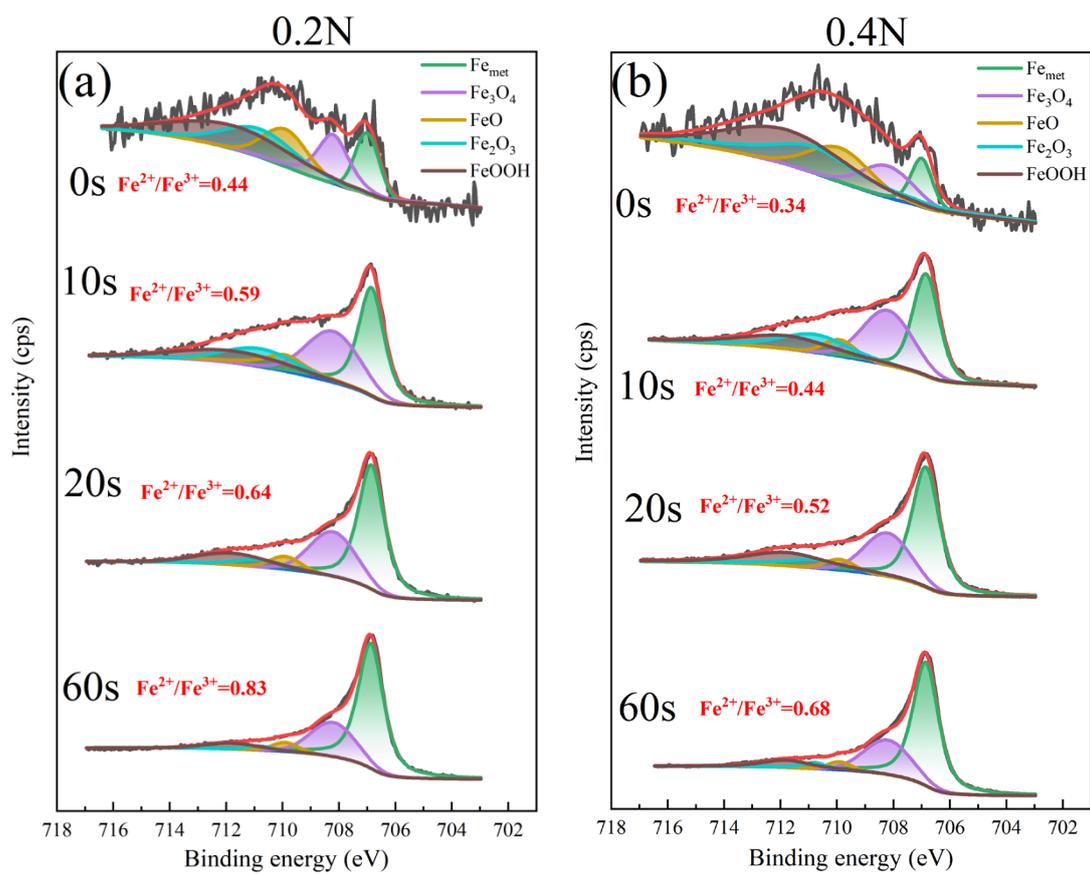


Figure S4. The change of Fe 2p spectra of 0.2N-ST (a) and 0.4N-ST (b) samples with sputtering time.

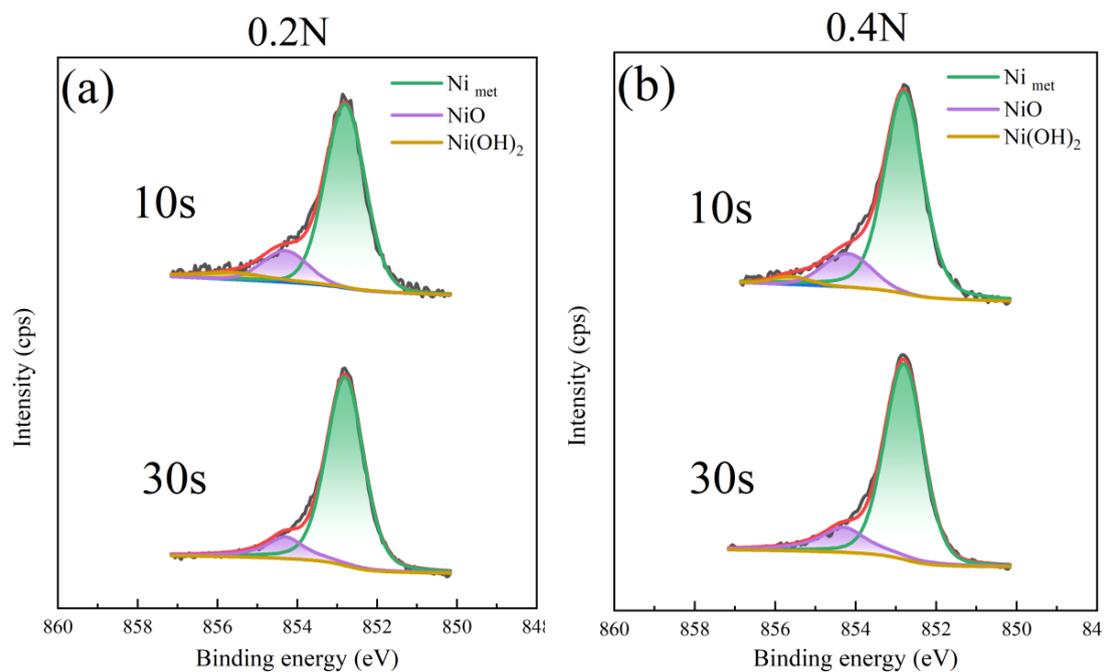


Figure S5. The change of Ni 2p spectra of 0.2N-ST (a) and 0.4N-ST (b) samples with sputtering time.