Hydrogen 2 -228.1 mV/dec 1 Current density  $[10^x \, \text{mA/cm}^2]$ 0 **-**2 **-**3 -4

-1.2

U<sub>SHE</sub> [V]

-1.0

-0.8

-1.6

-1.4

Berth-OD-Cu: -81.1 mV/dec Berth-pc-Cu: -216.9 mV/dec Huang-100: -406.8 mV/dec Huang-111: -158.2 mV/dec Huang-110: -429.3 mV/dec Kuhl-pc-Cu: -768.9 mV/dec Wang-pc-Cu: -218.2 mV/dec Wang-Cu-flower: -116.7 mV/dec Jouny-OD-Cu+pH14.0: -135.5 mV/dec Jouny-micro-Cu+pH14.0: -139.2 mV/dec Jouny-OD-Cu+pH13.0: -197.5 mV/dec Jouny-OD-Cu+pH13.699: -160.9 mV/dec Iouny-OD-Cu+pH14.301: -134.1 mV/dec Luc-PC-NS+pH13.699: -222.0 mV/dec Luc-PC-NS+pH14.0: -203.5 mV/dec Luc-PC-NS+pH14.301: -186.3 mV/dec Grego-Cu sph: -152.5 mV/dec Grego-Cu cub: -185.0 mV/dec Sarge-Cu-NP: -167.7 mV/dec Sarge-Cu-NP-N-C: -54.0 mV/dec Zuett-Cu-NW1: -296.0 mV/dec Zuett-Cu-NW2: -461.9 mV/dec Kanan-Cu-NP-1: -201.9 mV/dec Kanan-Cu-NP-2: -149.1 mV/dec Kanan-Cu-NP-2-1.0sccm: -137.8 mV/dec