

The graph displays the relationship between the anode-cathode voltage and the current density for different cathode potentials. The x-axis represents the Anode-Cathode Voltage (V) from 0 to 500, and the y-axis represents the Current Density (A/cm²) from 0 to 1.0. The curves are labeled with their respective cathode potentials: 0.0 V, -10.0 V, -20.0 V, -30.0 V, -40.0 V, -50.0 V, -60.0 V, -70.0 V, -80.0 V, -90.0 V, -100.0 V, -110.0 V, and -120.0 V. As the cathode potential becomes more negative, the current density increases for a given anode-cathode voltage, and the onset of significant current shifts to higher anode-cathode voltages.

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