(3) Suppose if all I⁻ act as an electron carrier, the current will be?

\[ I[A] = \frac{q[C]}{t[s]} \]

\[ = N_{e(\text{from I}^-)} \times 1.602^{-19} [C] / t(\text{i-V scan}) [s] \]

\[ = (3 \text{ (atom)}/2.61e^{-22} [\text{cm}^3] \times 9.82e^{-6} [\text{cm}^3]) \times 1.602^{-19} [\text{C}] / 5 [\text{s}] \]

\[ = 0.00362 [\text{A}] \]

\[ \rightarrow J = 0.0461 [\text{mA/cm}^2] \]