

The Simulation of Transients on Intercalation Electrodes

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The diffusion – controlled intercalation reactions was introduced into the solution of 2nd Fick law by the finite – difference implicit method under various electrochemical conditions such as cyclic voltammetry, galvanostatic transients, and others. The isotherm of intercalation was introduced and various spatial configuration including the resistivity of electrolyte and electrode materials was taken in consideration.

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