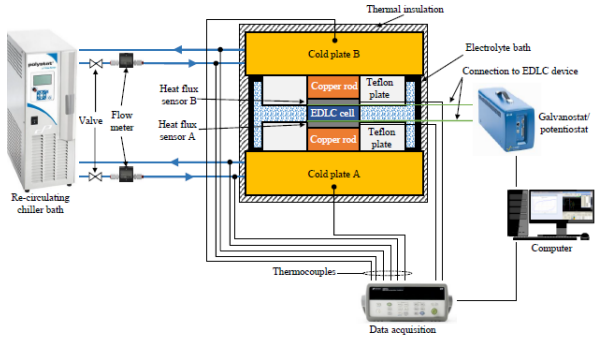
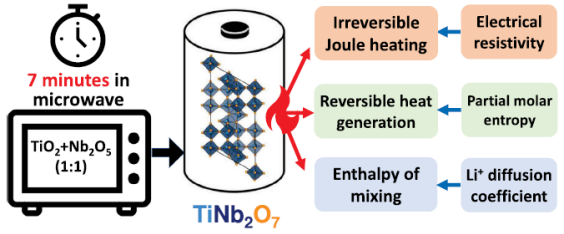
Dr. Ampol Likitchachawankun

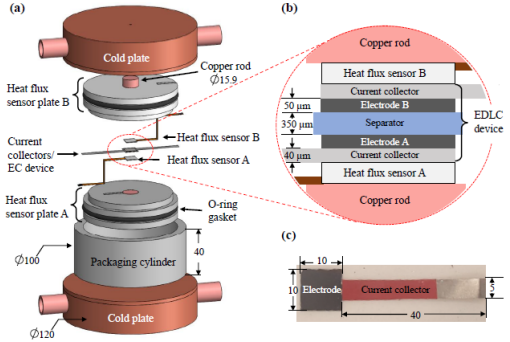
ดร. อัมพล ลิขิตชัชวาลกุล

Research Area:

- Heat and Mass Transfer
- Interfacial and Transport Phenomena
- Renewable Energy Engineering
- Thermal Power Plants
- Energy Storage Devices
- Microelectromechanical Systems (MEMS)



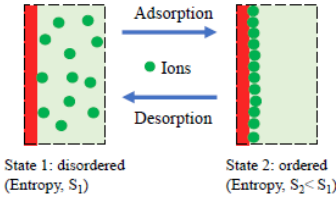




Collaboration:

UCLA

IMN INSTITUT DES MATÉRIAUX JEAN ROUXEL

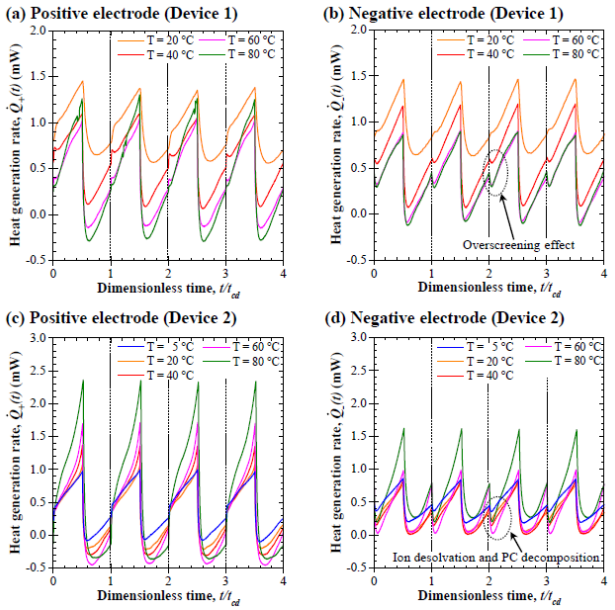


$\delta Q = TdS$

$\dot{Q}_{rev} = TdS/dt$

Adsorption: State 1→ State 2, where $S_2 < S_1$.
$dS/dt < 0$ therefore $\dot{Q}_{rev} < 0$.
Heat was released from the system (exothermic).

Desorption: State 2→ State 1, where $S_2 < S_1$.
$dS/dt > 0$ therefore $\dot{Q}_{rev} > 0$.
Heat was absorbed into the system (endothermic).



Mechanical Engineering Simulation and Design

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