

Green Energy Storage and Emobility Lab.

PI 이병용

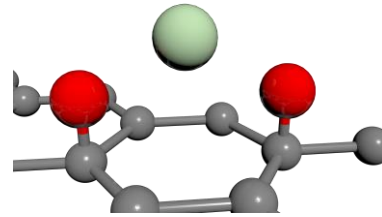


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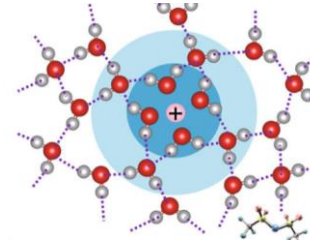
March 11, 2025

연구 분야

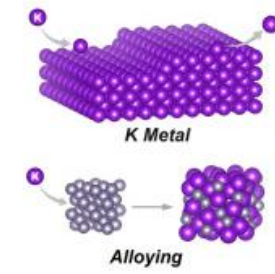
Material Field



Carbon-based Electrode



Aqueous Electrolyte

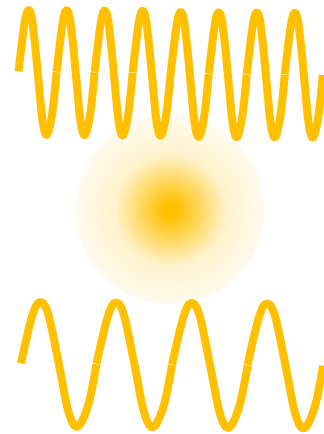
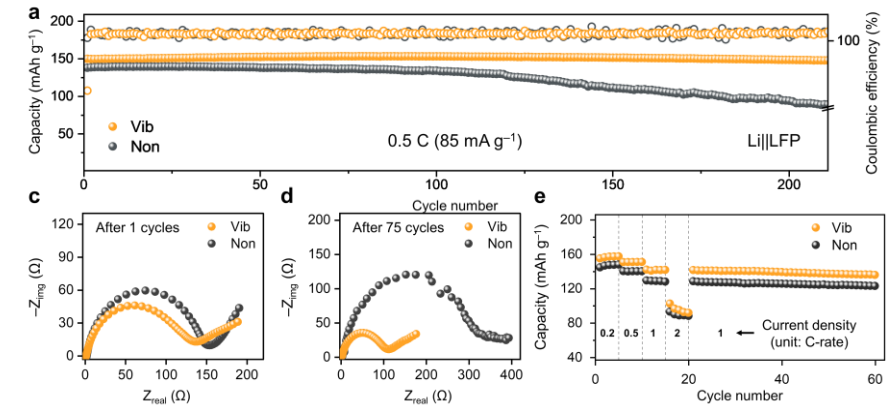


Alkali Metal Battery



Next generation Battery

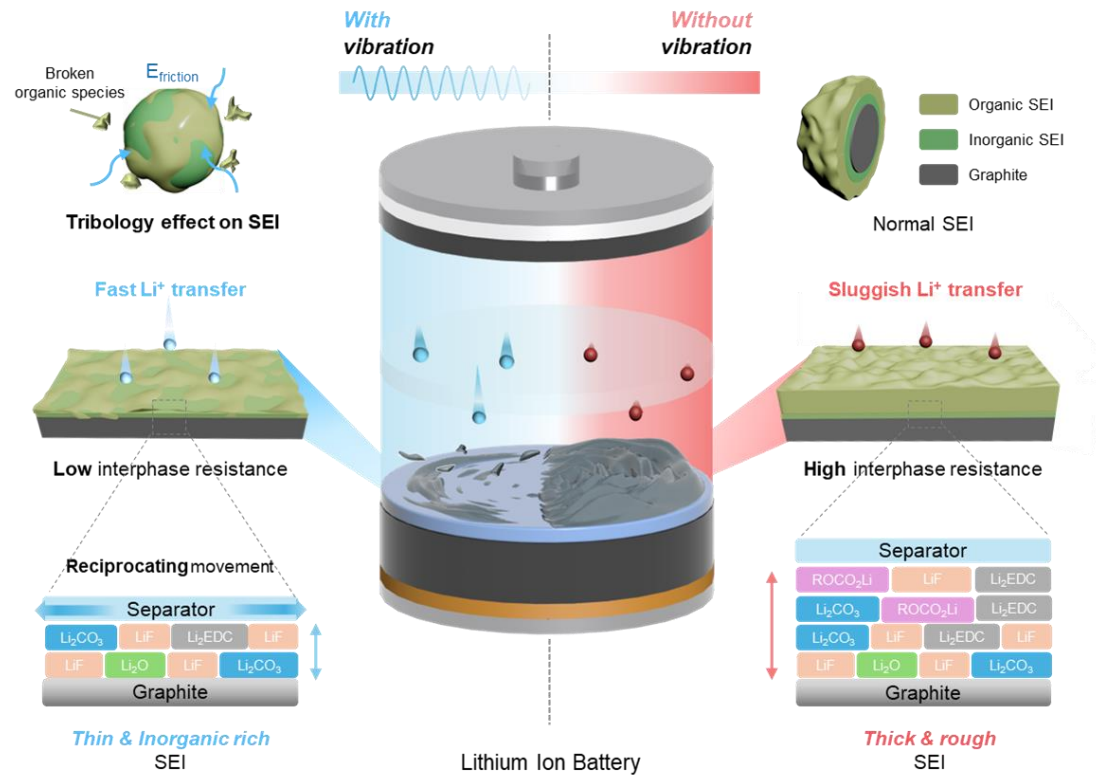
Mechanical Field

High Frequency
(Ultrasonic)Low Frequency
(Vibration)

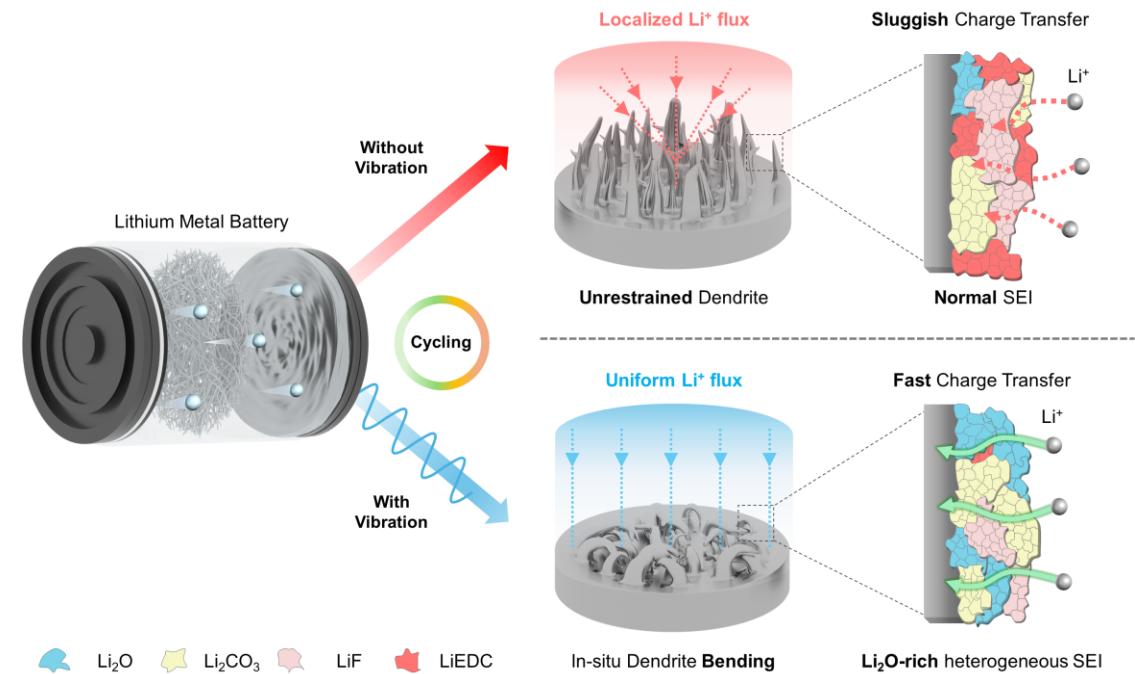
Battery Performance

Vibration & Battery Performance at low frequency

Low frequency vibration in Li-ion Battery

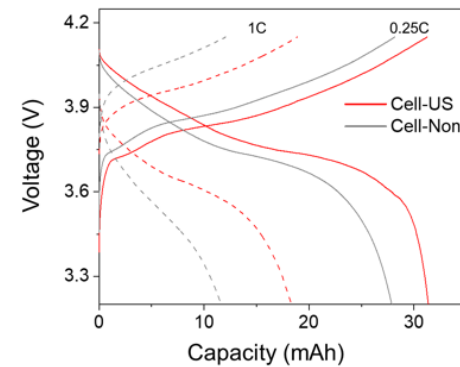
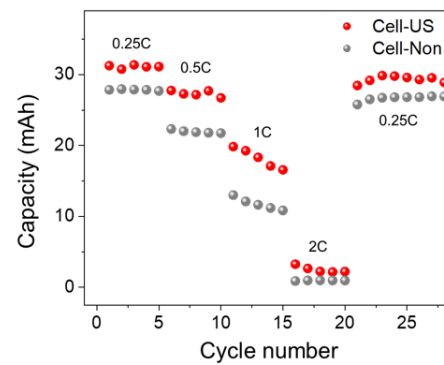
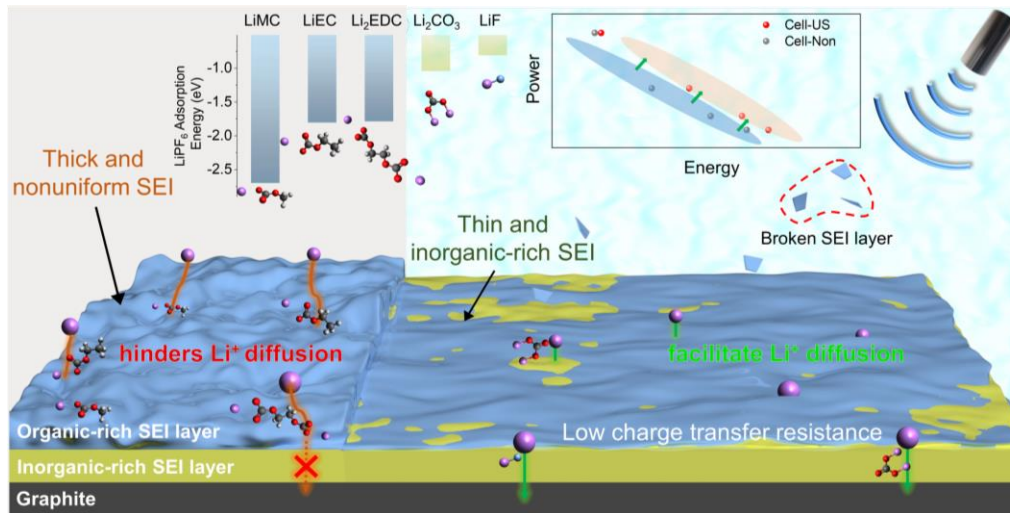


Low frequency vibration in Li-Metal Battery

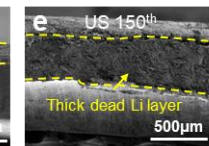
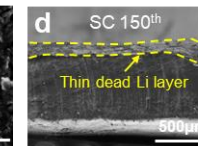
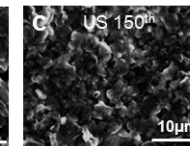
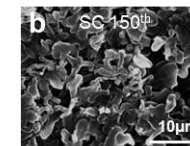
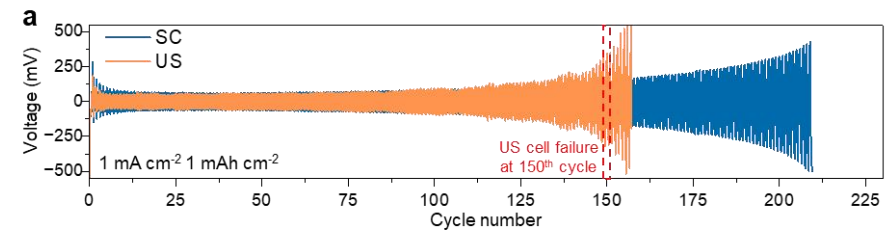
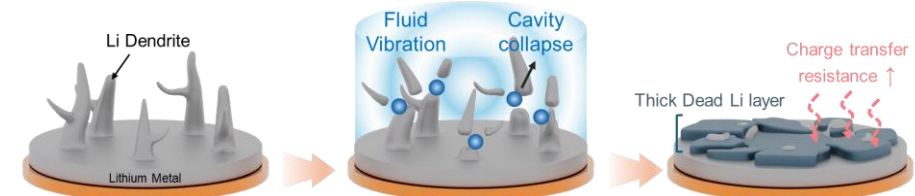


Vibration & Battery Performance at High frequency

High frequency vibration in Li-ion Battery

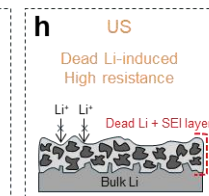
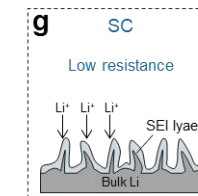


High frequency vibration in Li-Metal Battery



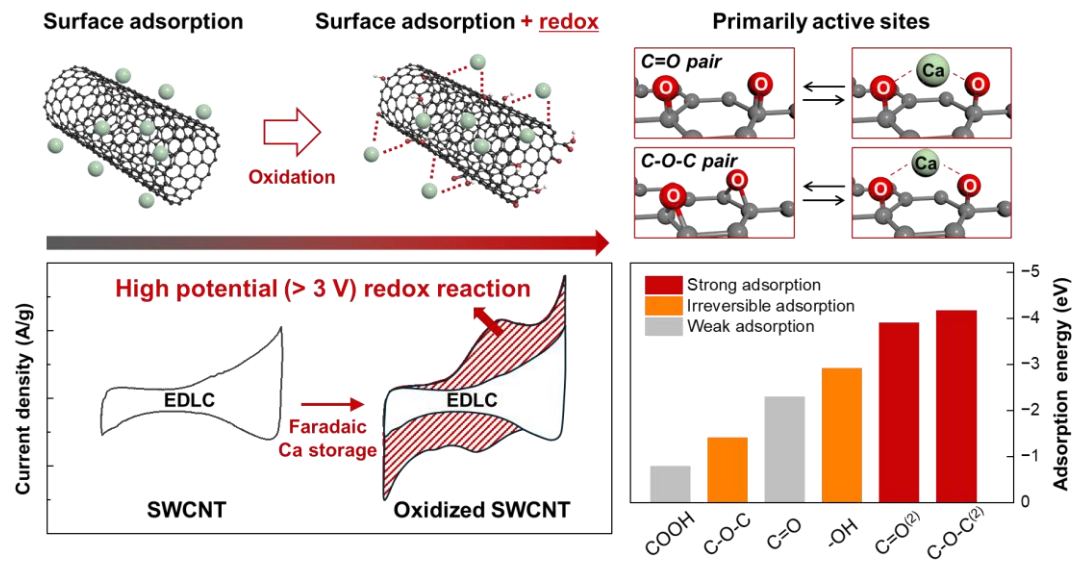
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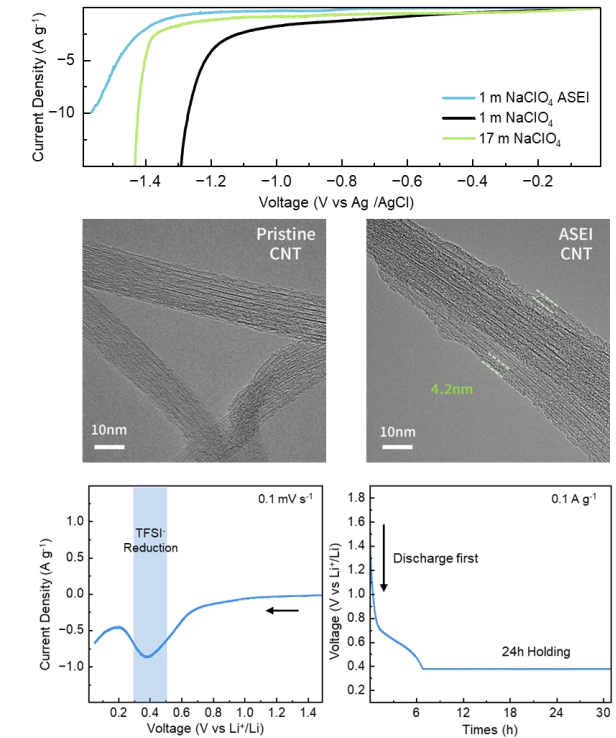
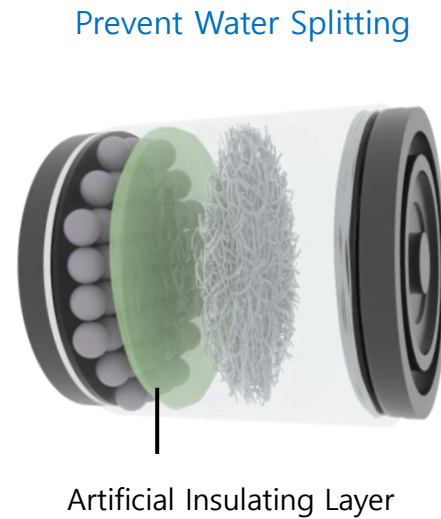


Material Research

Multivalent ion Electrode



Aqueous electrolyte



Contact Us

Green Energy Storage and Emobility Lab.

이병용 교수



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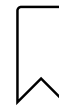
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연구인원

- 박사과정 1
- 석사과정 3



졸업 현황

- LG 화학
- LG 에너지솔루션 등