



Showcasing research from Professor Heng Zhang's laboratory, School of Chemistry and Chemical Engineering, Huazhong University of Science and Technology, Wuhan, China.

Reconciling electrolyte donicity and polarity for lithium carbon fluoride batteries

'Mahats-Bilketaren Festa (La Fiesta de la Vendimia, Grape Harvest Festival)' is one of the most important festivals in Basque country, takes place every September. The maturity of grapes is akin to the completion of conversion-type reaction for electrode materials, which is strongly affected by sunlight, temperature, humidity, etc. The present work puts forward the critical impact of electrolyte donicity and polarity on the reaction processes of conversion-type electrode materials (e.g., carbon fluoride), which provides insight to more precise control from carbon fluoride (*i.e.*, grapes) to discharge products (*i.e.*, wines).

As featured in:



See Zhibin Zhou, Heng Zhang *et al.*, *Energy Environ. Sci.*, 2024, 17, 7720.