

Supporting information

“Water-in-Salt” electrolyte enables green and safe Li-ion batteries for large scale electric energy storage applications

Liumin Suo,^a Fudong Han,^a Xiulin Fan,^a Huili Liu,^a Kang Xu* and Chunsheng Wang*

a. Department of Chemical and Biomolecular Engineering, University of Maryland College Park, Maryland, 20740, USA. E-mail: cswang@umd.edu

b. Electrochemistry Branch, Sensor and Electron Devices Directorate, Power and Energy Division U.S. Army Research Laboratory Adelphi, Maryland, 20783, USA, E-mail: conrad.k.xu.civ@mail.mil

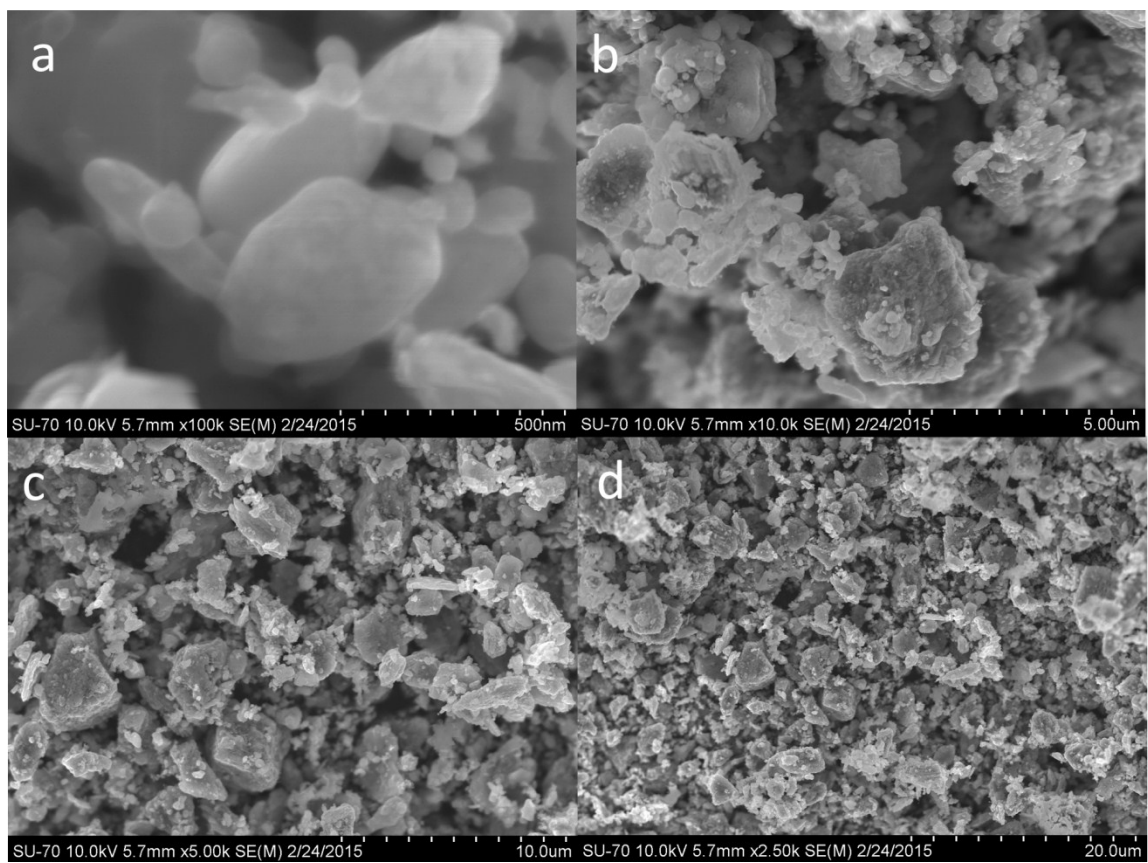


Figure S1 SEM image of LiFePO_4 powder

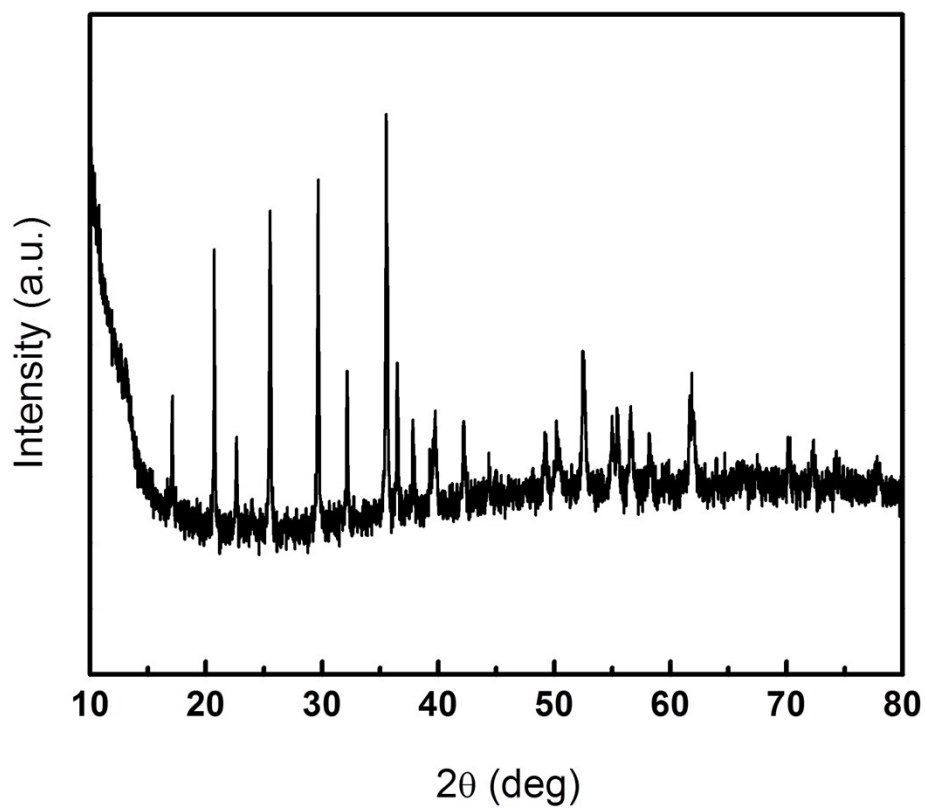


Figure S2. XRD pattern of LiFePO₄ powder

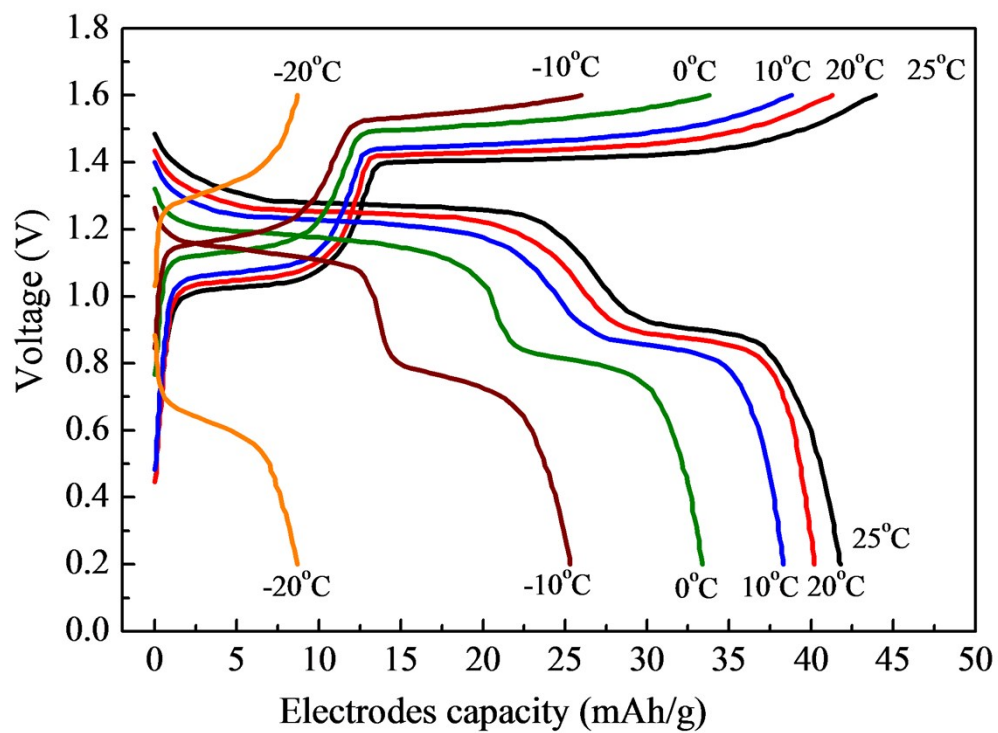


Figure S3. Charge-Discharge profiles of full cell dependent on temperature (the temperature variation is from 25°C to -20°C).