

## Supporting Information

### Synthesis of Nano-sized Urchin-shaped $\text{LiFePO}_4$ for Lithium Ion Batteries

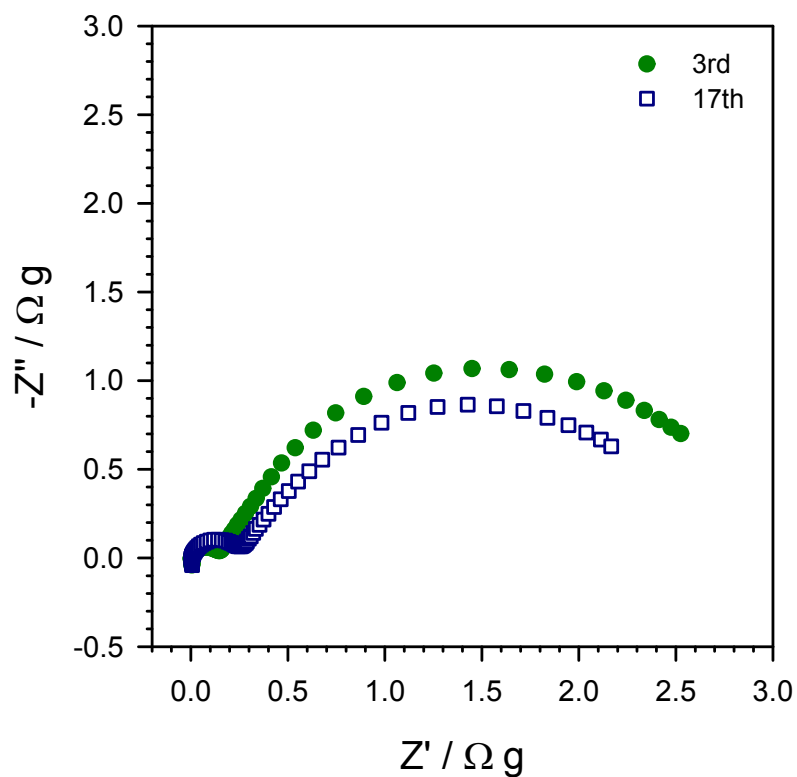
Changjin Yang,<sup>a,†</sup> Doo Jin Lee,<sup>b,†</sup> Hyunhong Kim,<sup>a,†</sup> Kangyong Kim,<sup>a</sup> Jinwhan Joo,<sup>a</sup> Won Bae Kim,<sup>b</sup> Yong Bae Song,<sup>c</sup> Yoon Seok Jung,<sup>c</sup> and Jongnam Park<sup>a,\*</sup>

† These authors contributed equally.

<sup>a</sup>School of Energy and Chemical Engineering, Ulsan National Institute of Science and Technology (UNIST), Ulsan 44919, Republic of Korea. E-mail: [jnpark@unist.ac.kr](mailto:jnpark@unist.ac.kr)

<sup>b</sup>Department of Chemical Engineering, Pohang University of Science and Technology, Pohang 790-784, Republic of Korea.

<sup>c</sup>Department of Energy Engineering, Hanyang University, Seoul 04763, Republic of Korea.



**Figure S1.** The Nyquist plots for calcinated CNU-LFP at different cycles.