

Figure S1. Pictorial representation of microcavity electrode, microcavity electrode system and image of the microcavity.

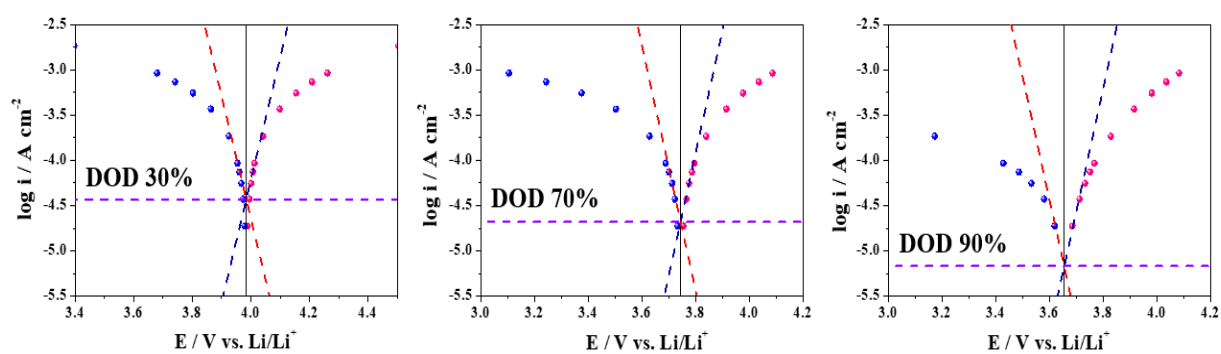


Figure S2. Tafel plots of NCM622- $\text{Li}_6\text{PS}_5\text{Cl}$ system at DOD 30%, DOD 70%, and DOD 90% states.

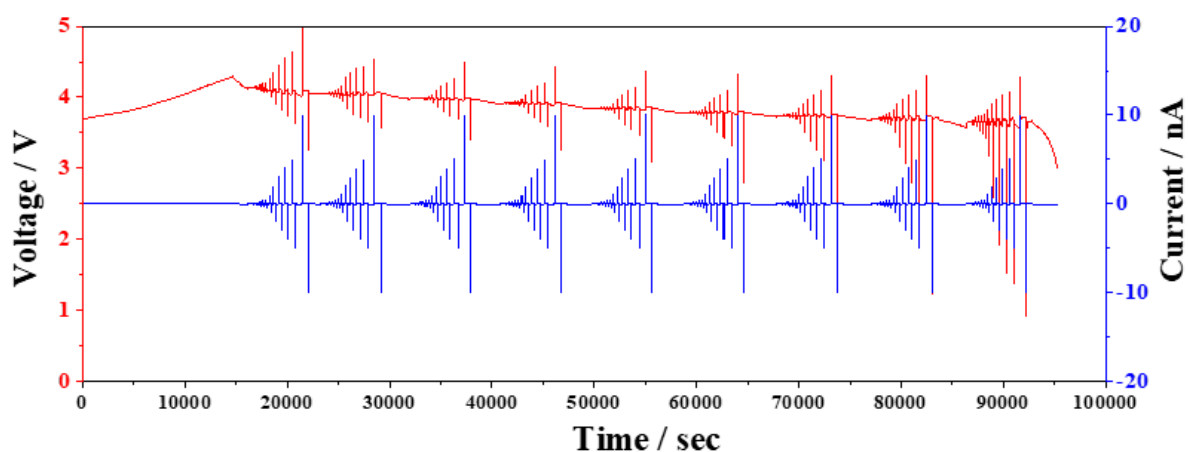


Figure S3. The applied pulse of various current densities in each DOD state to NCM622-Li₆PS₅Cl system.

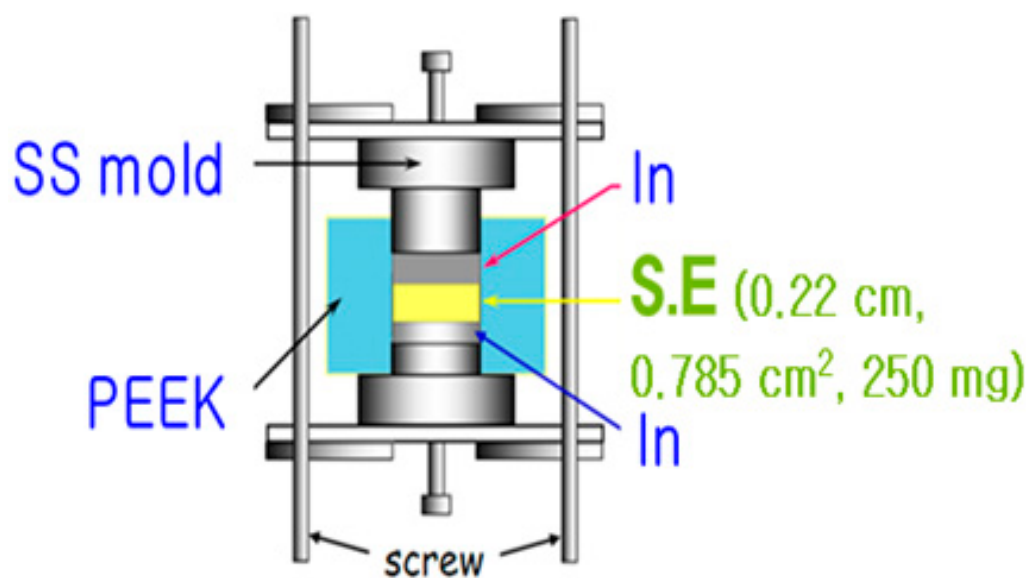


Figure S4. Pictorial representation of assembled pressure cell.

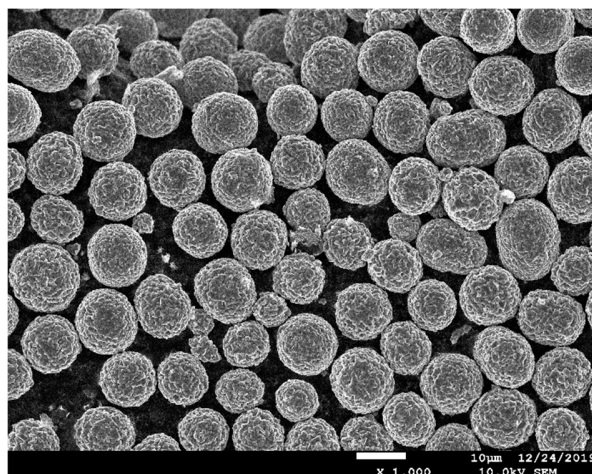


Figure S5. FE-SEM image of NCM622 cathode active materials.