Alumina Coating on 5 V Lithium Cobalt Fluorophosphates
Cathode Material for Lithium Secondary Batteries – Synthesis
and Electrochemical Properties

S. Amaresha, K. Karthikeyana, K.J. Kima, K.S. Nahmb,c,d,*, Y.S. Leea,*

aFaculty of Applied Chemical Engineering, Chonnam National University,
Gwangju 500-757, Korea

bDepartment of Energy Storage and Conversion Engineering, cR&D Education Center for
Fuel Cell Materials & Systems, and dDepartment of Semiconductor and Chemical
Engineering, Chonbuk National University, Jeon-ju 561-756, Korea

Supporting information

* Corresponding author.

Tel. & Fax : +82 62 530 1904, E-mail : leeys@chonnam.ac.kr (Y.S. Lee).

Tel : +82-63-270-2311, Fax : +82-63-270-3909, E-mail : nahmks@jbnu.ac.kr (K.S. Nahm)
Figure S1: Co 2P, C 1s, F 1s and Al 2P XPS spectra of partially charged 1 wt% Al₂O₃ coated Li₂CoPO₄F electrode.