

Supporting information

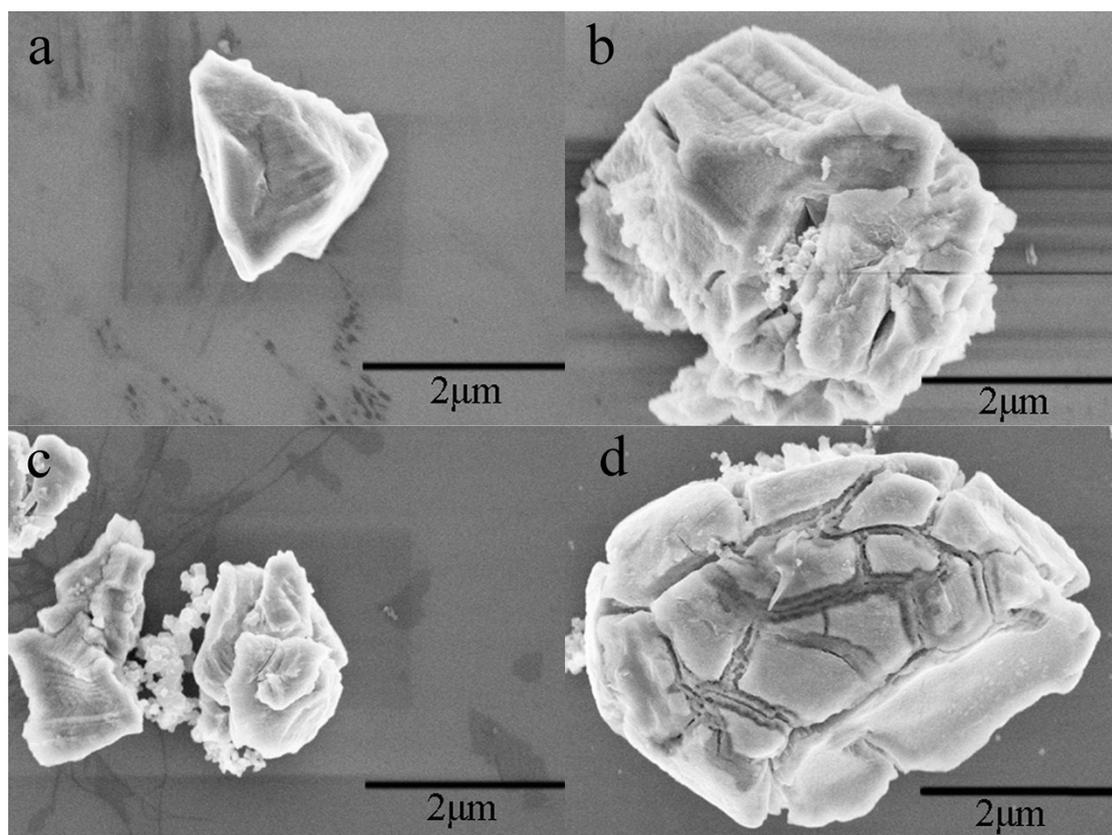


Figure S1 SEM images of (a) 100C (b) 200C (c) 300C (d) 400C.

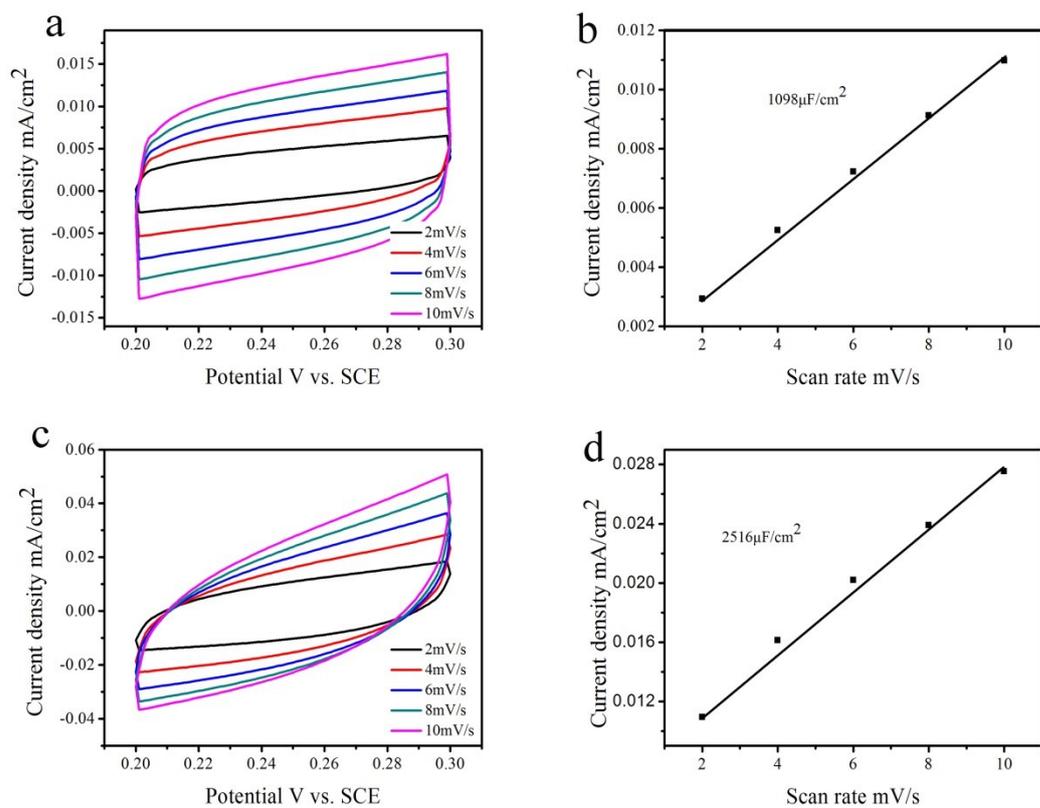


Figure S2 a) and b), cycle voltage (CV) curves and plots of current densities at 0.25 V versus scan rates of original LiCoO₂; c) and d), cycle voltage (CV) curves and plots of current densities at 0.25 V versus scan rates of

500C

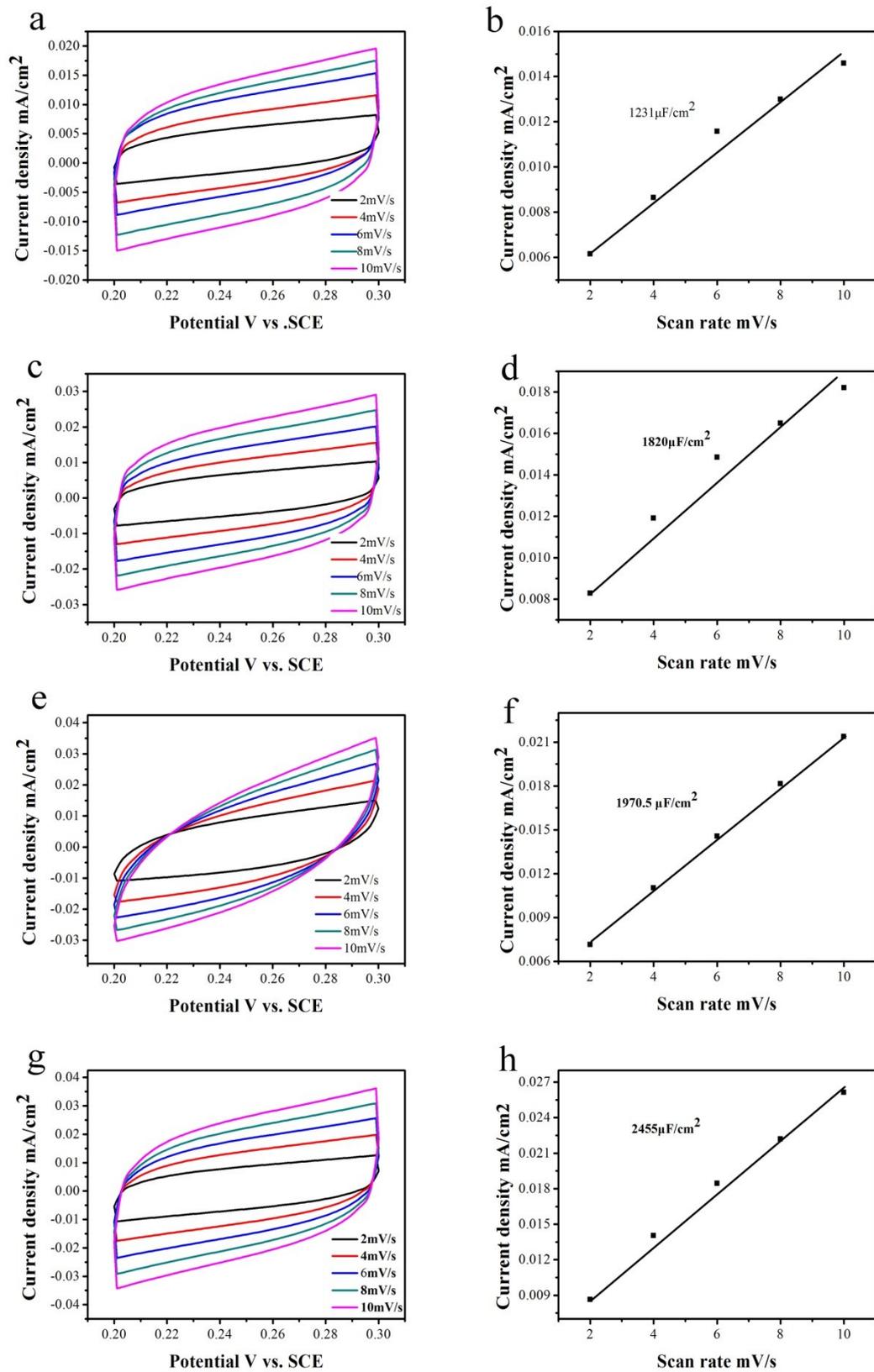


Figure S3 a) and b), a) and b), cycle voltage (CV) curves and plots of current densities at 0.25 V versus scan rates of 100C; c) and d), cycle voltage (CV) curves and plots of current densities at 0.25 V versus scan rates of

200C; e) and f), cycle voltage (CV) curves and plots of current densities at 0.25 V versus scan rates of 300C; g)

and h), cycle voltage (CV) curves and plots of current densities at 0.25 V versus scan rates of 400C

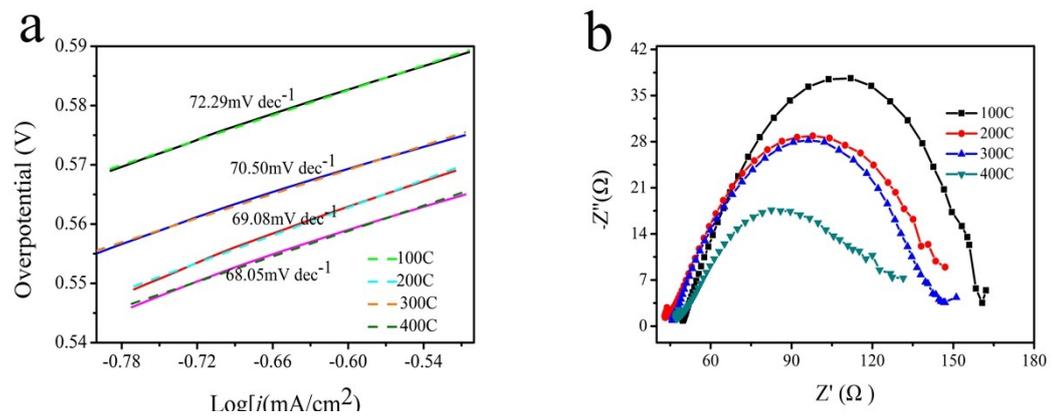


Figure S4 a) Tafel slopes of 100C, 200C, 300C and 400C; b) EIS of 100C, 200C, 300C and 400C.