Supporting Information



Fig. S1. Rate performance of Li^+/AC cell at different current densities between 2-4 V.



Fig. S2 (a) Charge discharge curves of LCPF/AC and LCP/AC cells recorded at 150 mA g⁻¹ current density and (b) Rate performance of LCPF/AC and LCP/AC cells at various current densities between 0-3 V.



Fig. S3 Variation of ED (Wh kg⁻¹) with the number of cycles for LCPF/AC and LCP/AC cells.



Fig. S4. (a) Charge discharge curves of AC/AC symmetrical cell measured at 320 mA g⁻¹ current density and (b) Rate performance of AC/AC at various current densities between 0-3 V.



Fig. S5. SEM images of composite electrode containing Li_2CoPO_4F (LCPF), ketzen black (KB) and teflonized acetylene black (TAB) after cycling at 1100 mA g⁻¹ for 30, 000 cycles (a) 10,000x and (b) 100,000x magnifications.