Electronic Supplementary Material (ESI) for Green Chemistry.

Environmentally friendly recycling and effective repairing of cathode powders from spent $LiFePO_4$ batteries

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Table S1 Tap densities of commercial $LiFePO_4$/C before and after heat-treated at 350 °C under H_2/Ar mixed gas atmosphere.

$LiFePO_4$/C	Tap density (g cm^{-3})
Unheat-treated	1.130
Heat-treated at 350 °C	1.128

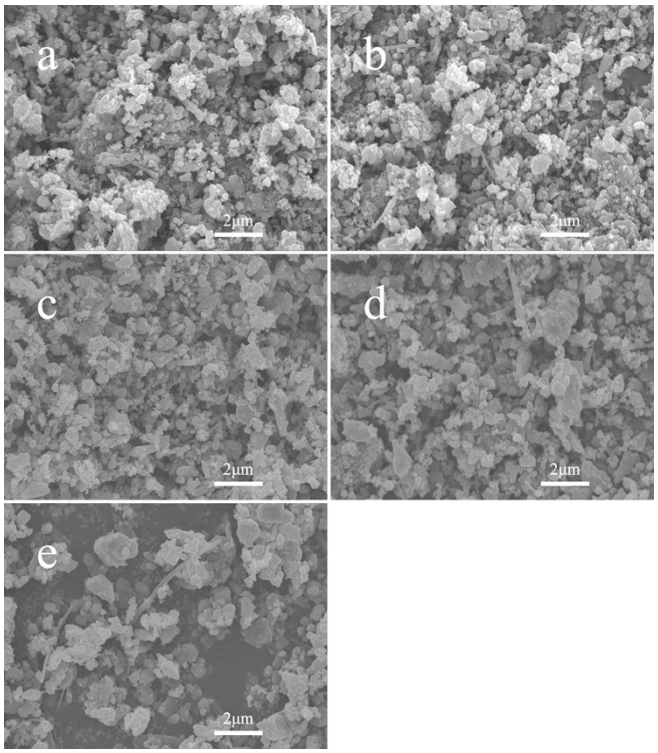

Fig. S1 SEM images of cathode powders heat-treated at high temperatures. (a) S-600, (b) S-650, (c) S-700, (d) S-750 and (e) S-800.

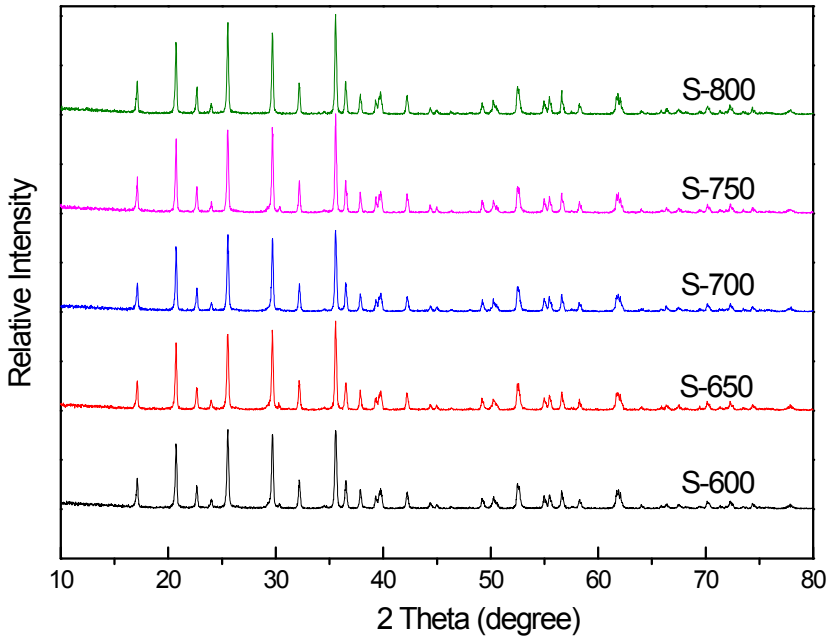

Fig. S2 XRD patterns of cathode powders heat-treated at high temperatures.