

A Novel Approach of Sea Urchin-like Fe-Doped Co_3O_4 Microspheres for Li-S Battery Enables High Energy Density and Long-Lasting

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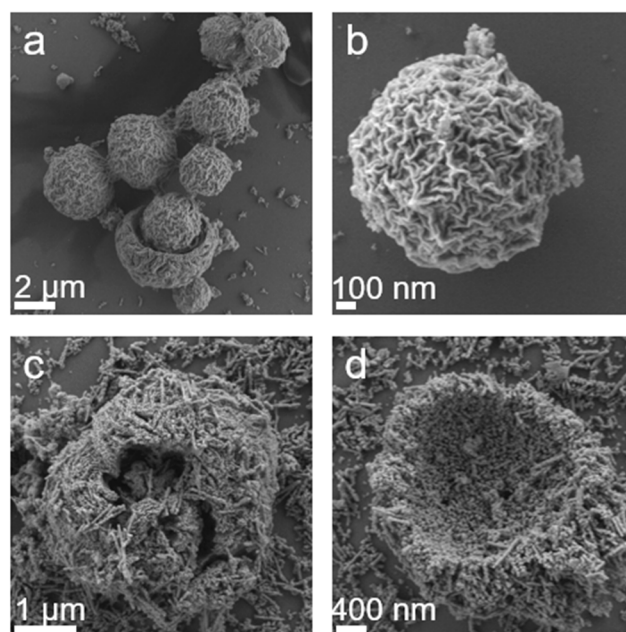


Figure S1. SEM image of FCO-160 composite (a, b) and FCO-200 composite (c, d).

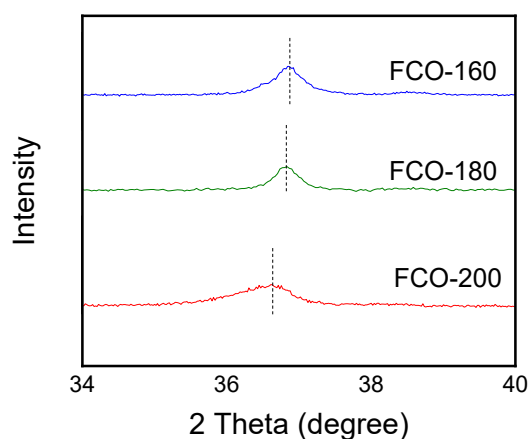


Figure S2. Enlarged XRD patterns of FCO-180, FCO-160 and FCO-200.

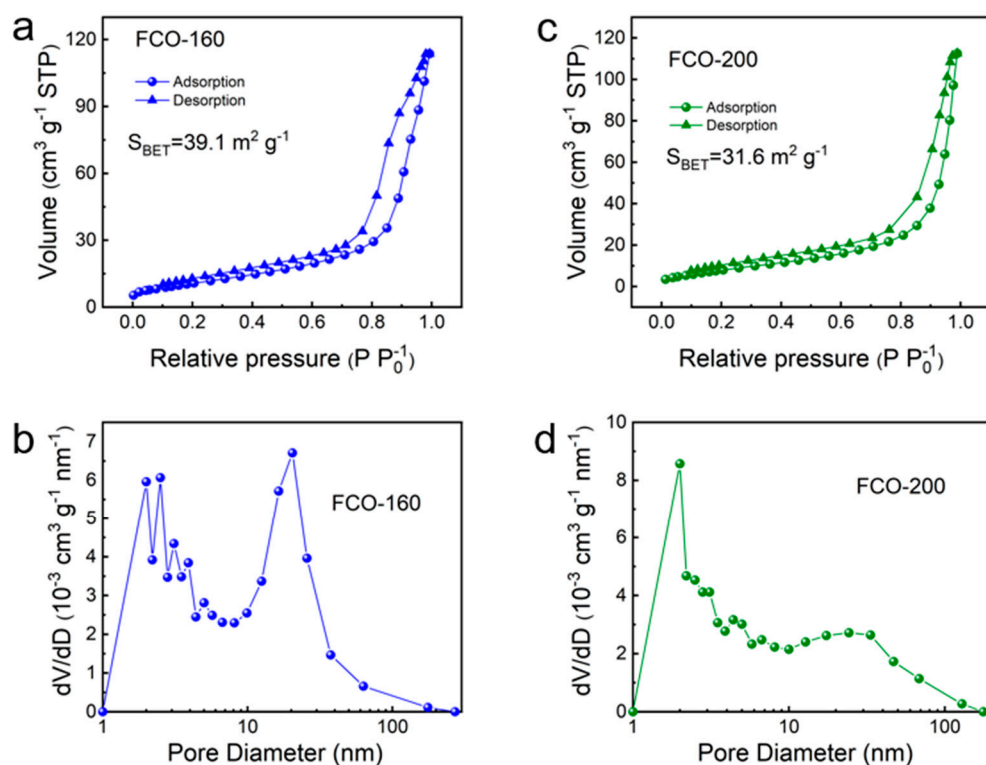


Figure S3. (a,c) The Nitrogen adsorption-desorption isotherms of FCO-160 and FCO-200; (b,d) pore size distribution of FCO-160 and FCO-200.

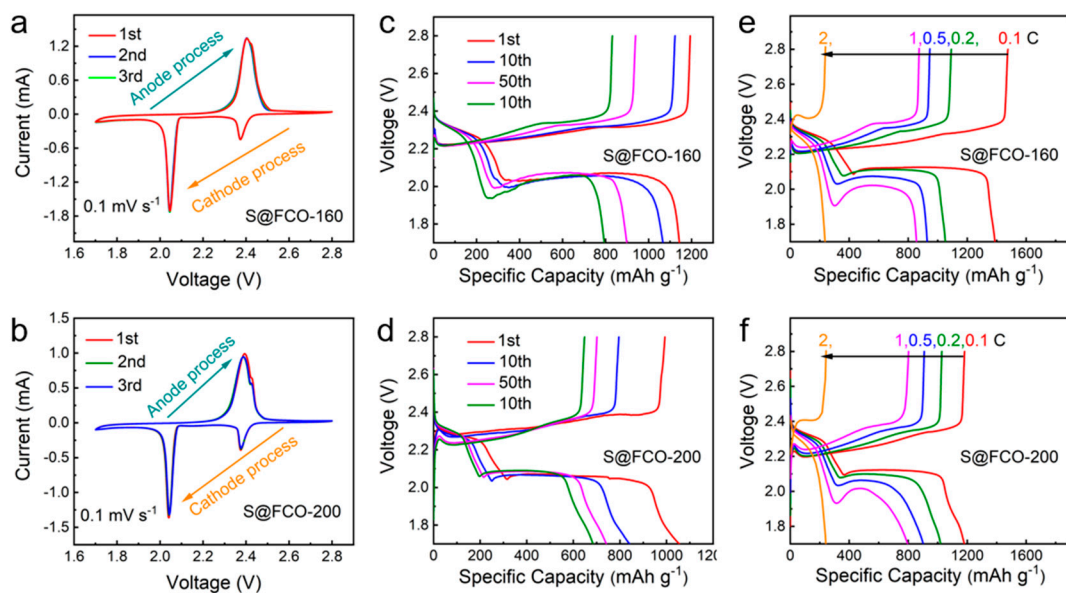


Figure S4. CV curves of S@FCO-160 (a) and S@FCO-200 (b) electrodes in the potential range of 1.7–2.8 V at 0.1 mV s^{-1} ; The discharge/charge voltage profiles of (c) S@FCO-160 and (e) S@FeCO-180 electrodes at 0.2 C; Reversible discharge/charge voltage profiles of (d) S@FCO-160 and (f) S@FeCO-180 electrodes at different current densities (from 0.1 to 2 C).