

Electronic Supplementary Information

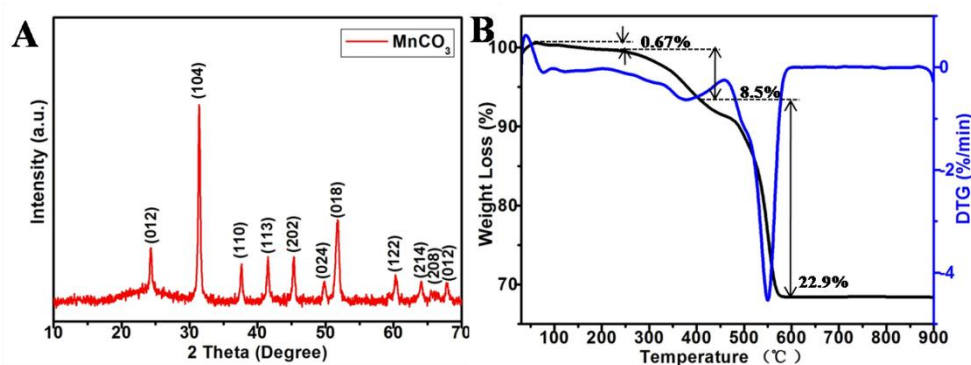


Figure S1. (A) XRD patterns of precursor MnCO₃ microspheres. (B) TG-DTG curves of as-prepared precursor MnCO₃.

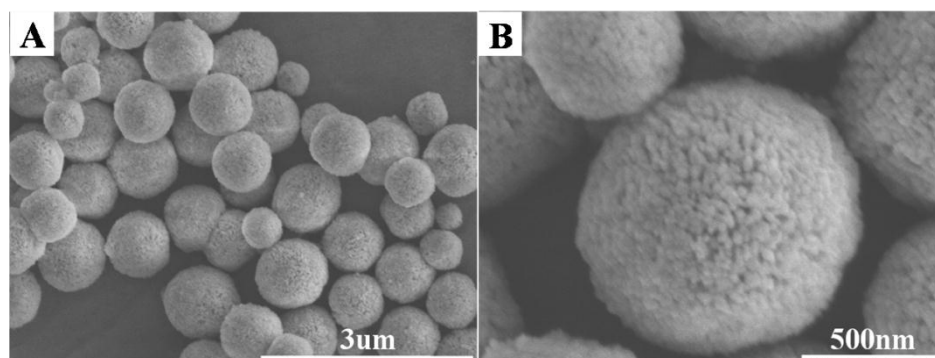


Figure S2. (A, B) SEM images of precursor MnCO₃ microspheres.

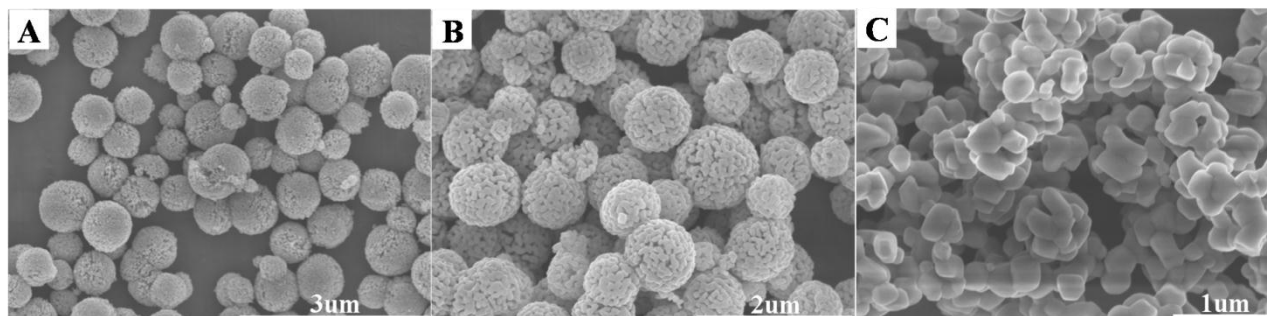


Figure S3. (A-C) SEM images with low magnification of Mn₂O₃ microspheres annealed at 500, 700 and 900°C, respectively

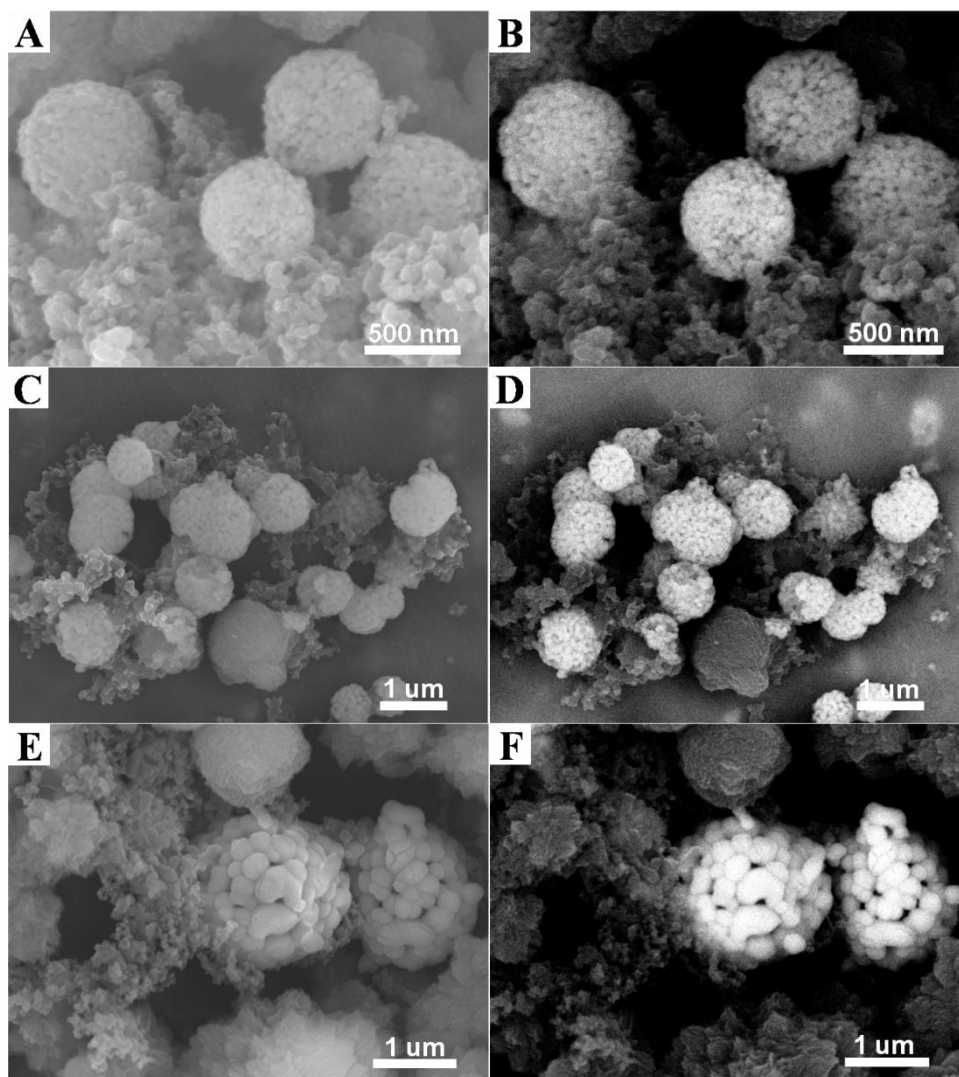


Figure S4. SEM images and corresponding backscattered electron images of Mn_2O_3 electrode materials after rate cyclability at different current density as anode for LIBs, Sample 500 (A, B), Sample 700 (C, D) and Sample 900 (E, F), respectively.