

Supplementary Information for “***Facile preparation of monodispersed NiCo₂O₄ porous microcubes as a high capacity anode material for lithium ion batteries***”

Yanming Wang ^{a,b}, Jia Li ^a, Sheng Chen ^{a,b}, Bing Li ^a, Guangping Zhu ^a, Fei Wang ^{a,b*},
Yongxing Zhang ^{a*}

^a *Collaborative Innovation Center of Advanced Functional Composites, Huaibei Normal University, Huaibei 235000, P. R. China*

^b *Anhui Key Laboratory of Energetic Materials, Huaibei Normal University, Huaibei 235000, P. R. China*

E-mail address: zyx07157@mail.ustc.edu.cn(Y. Zhang); wangfeichem@126.com (F. Wang)

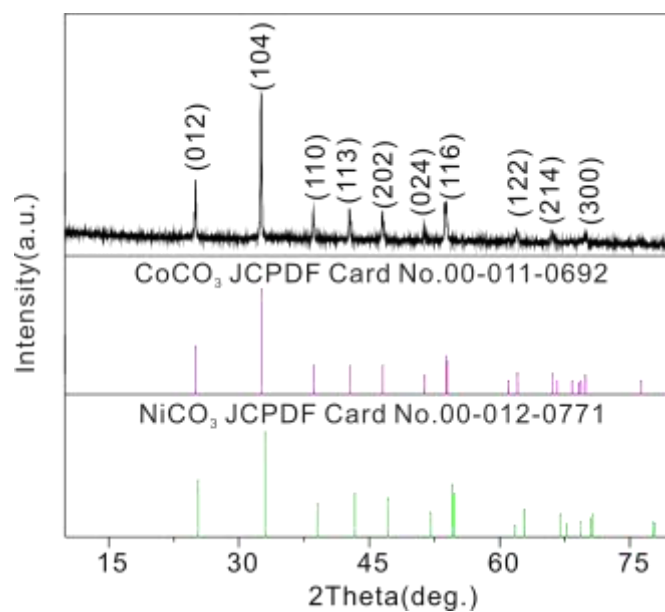


Figure S1 XRD patterns of the $\text{Ni}_{0.33}\text{Co}_{0.67}\text{CO}_3$ precursors. The purple and green lines represent the standard XRD pattern of CoCO_3 and NiCO_3 , respectively (JCPDS Card No.00-011-0692, JCPDS Card No.00-012-0771).

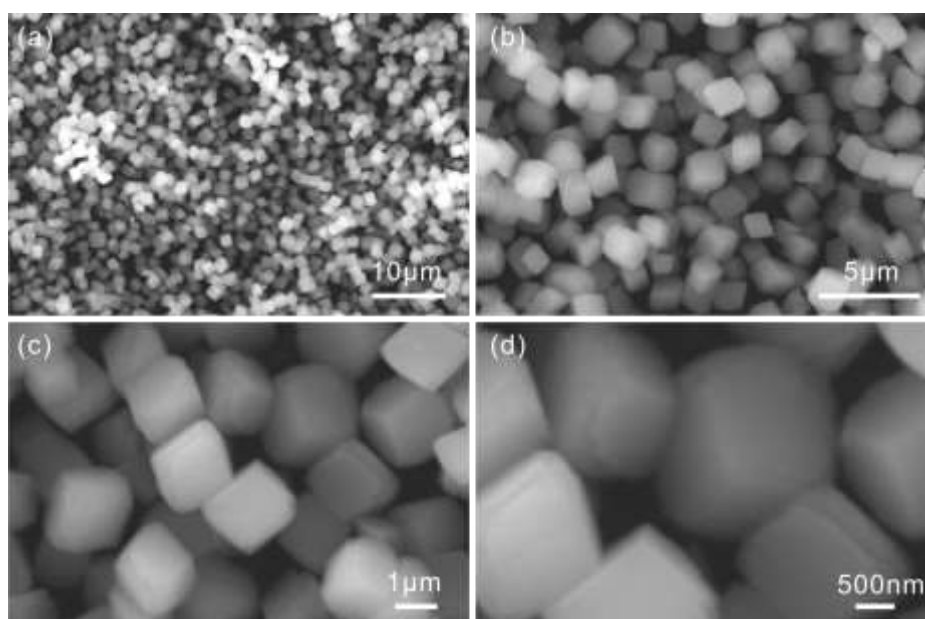


Figure S2 SEM images of the as-prepared monodispersed $\text{Ni}_{0.33}\text{Co}_{0.67}\text{CO}_3$ submicrocubes. (a) Overall morphology; (b) low-magnification; (c) close observation; (d) high-magnification.

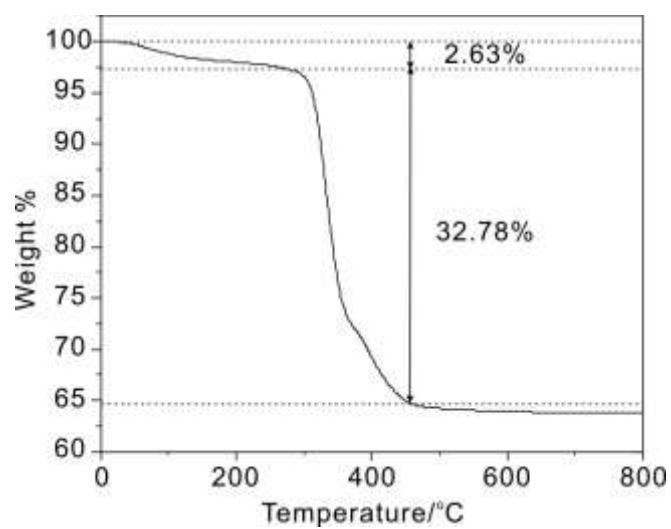


Figure S3 TGA curves of the $\text{Ni}_{0.33}\text{Co}_{0.67}\text{CO}_3$ microcubes under air atmosphere.

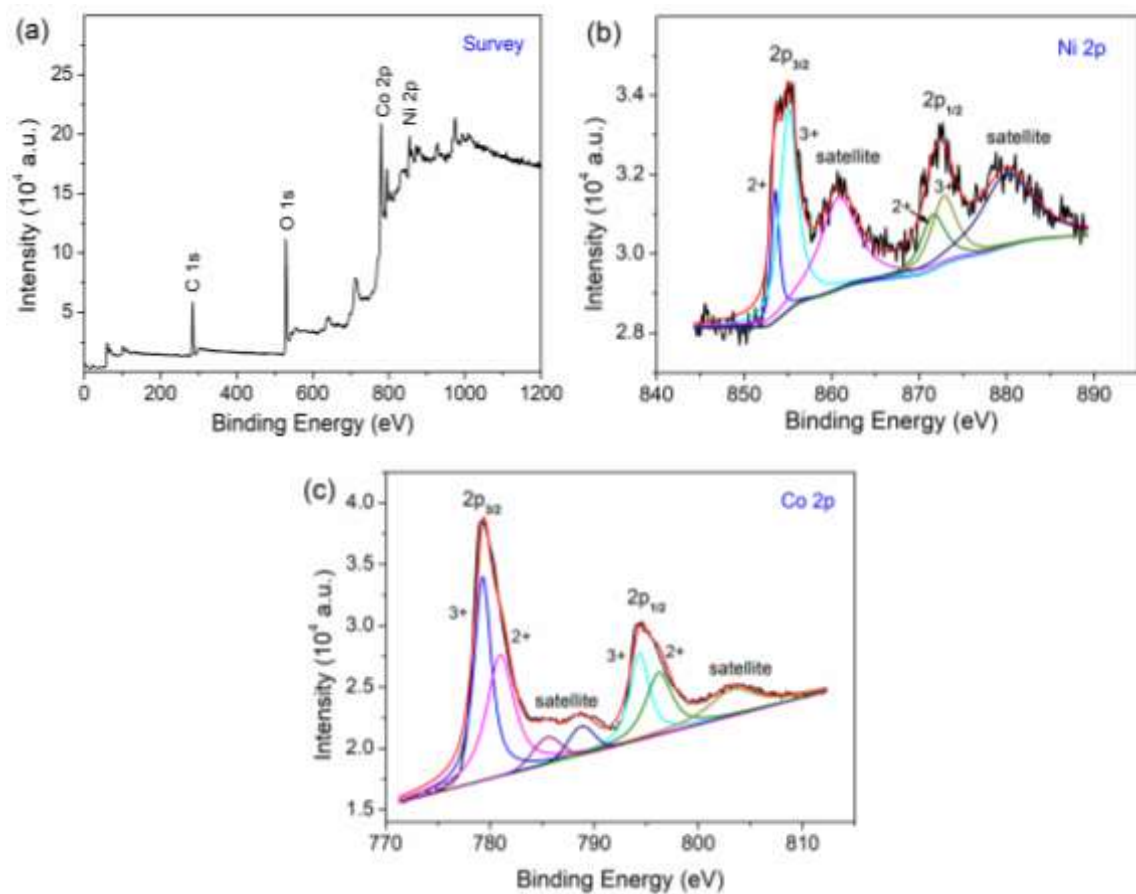


Figure S4 XPS spectra of (a) survey spectrum, (b) Ni 2p, and (c) Co 2p for the NiCo₂O₄ porous microcubes.