

Poly-assisted template-free synthesis novel double-shelled Co_3O_4 yolk-shell microspheres with excellent electrochemical properties

Yujuan Dong, Huiying Wei, Huifang Bi, Wei Liu, Wenjing Zhang, Yanzhao Yang.*

Key Laboratory for Special Functional Aggregate Materials of Education Ministry, School of Chemistry and Chemical Engineering, Shandong University, Jinan, 250100, P. R. China. Fax: +86-531-88564464; Tel: +86-531-88362988; E-mail: yzhyang@sdu.edu.cn

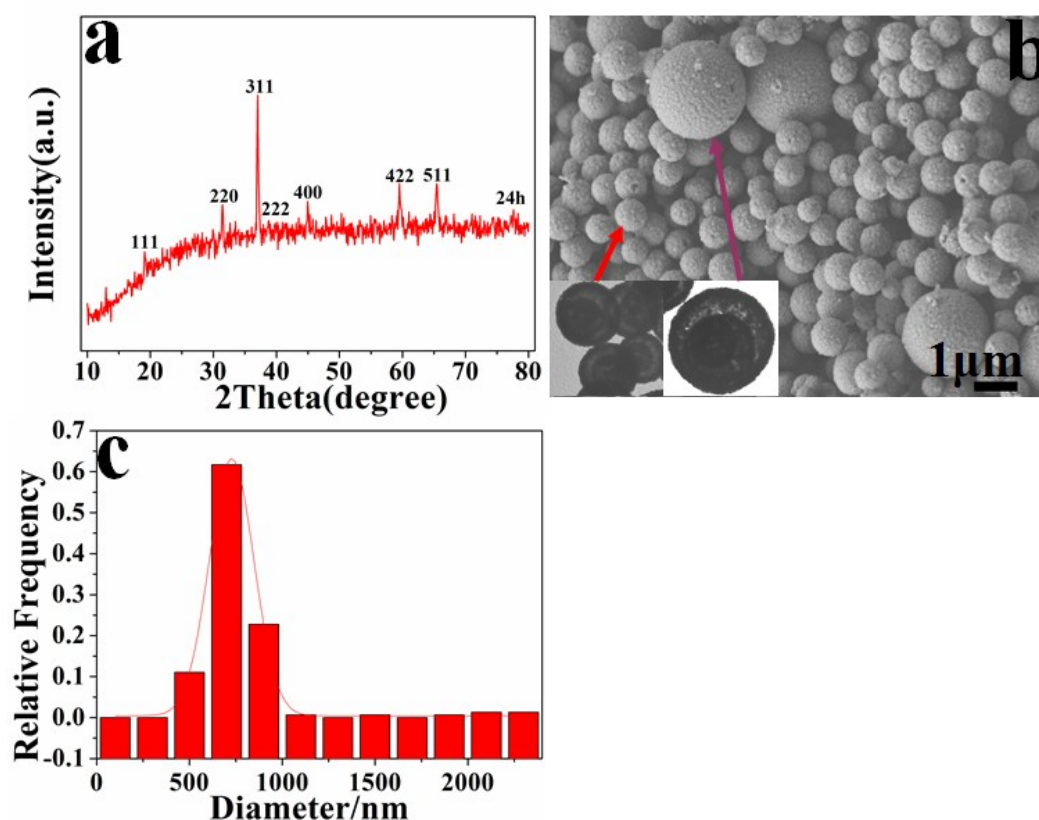


Figure S1 a)XRD pattern; b)SEM image; c)Particle Distribution image of Co_3O_4 multishelled spheres obtained by a solvothermal process at 220°C for 24h and subsequent high heating treatment at 600°C for 2h in air.

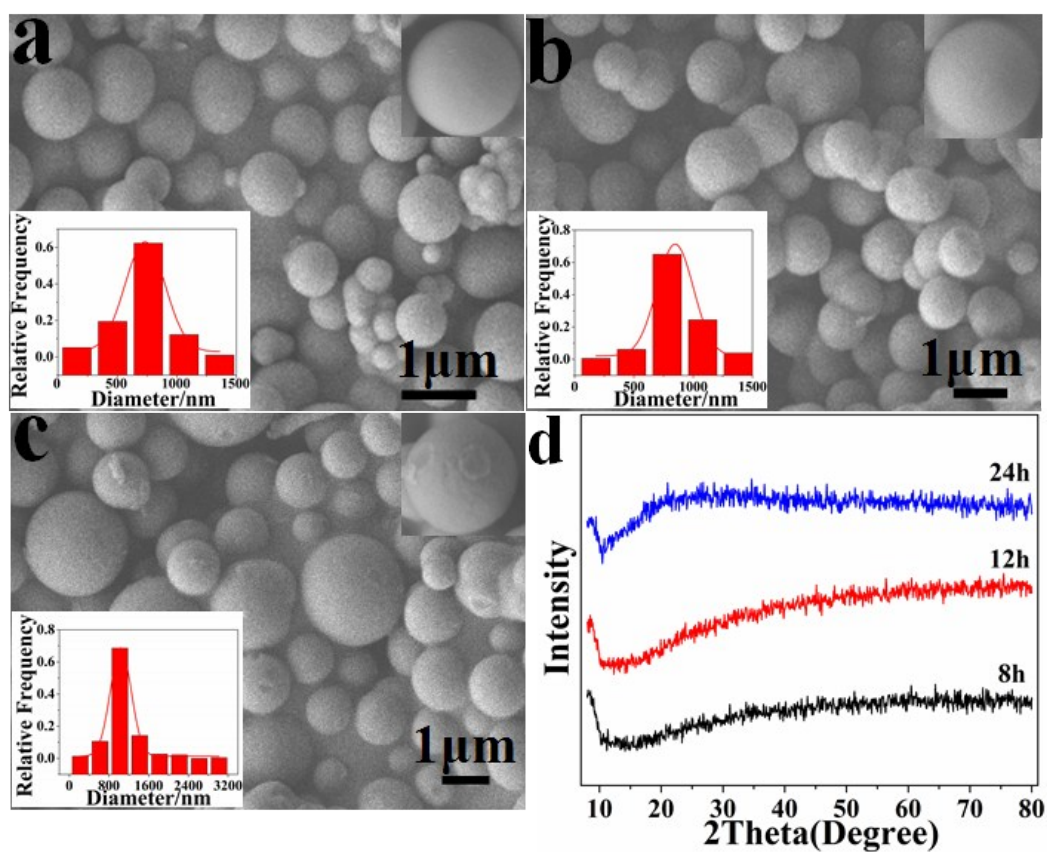


Fig.S2. SEM image of precursor obtained by a solvothermal process at 220°C at different time, a)8h; b)12h; c)24h; d)XRD pattern of the precursors.