Controllable synthesis and electrochemical hydrogen storage properties of Bi$_2$Se$_3$ architectural structures

Zhengliang Sun$^{a,b}$, Shengcong Liu$^{a,*}$, Xihong Chen$^{a}$, Lidong Chen$^{a}$
CAS Key laboratory of Materials for Energy Conversion, Shanghai Institute of Ceramics, Chinese Academy of Science, 1295 Dingxi Road, Shanghai 200050, PR China.
E-mail address: scliufu@hotmail.com

Figure S1 SEM of the rose-like pattern with high magnification.

Figure S2 SEM and TEM images of R-2 (a) and N-2 (b,c) samples, suggesting the rose-like hierarchitectures with smaller diameter for R-2 compared with R-1, and amorphous N-2 with much larger diameter compared with N-1.
Figure S3 EDX spectrum of the amorphous spheres, confirming the chemical composition of the amorphous spheres with Bi/Se ratio close to 2:3.