

## Supporting Information

### **Alumina stabilized graphene oxide wrapped SnO<sub>2</sub> hollow sphere LIB anode with improved lithium storage**

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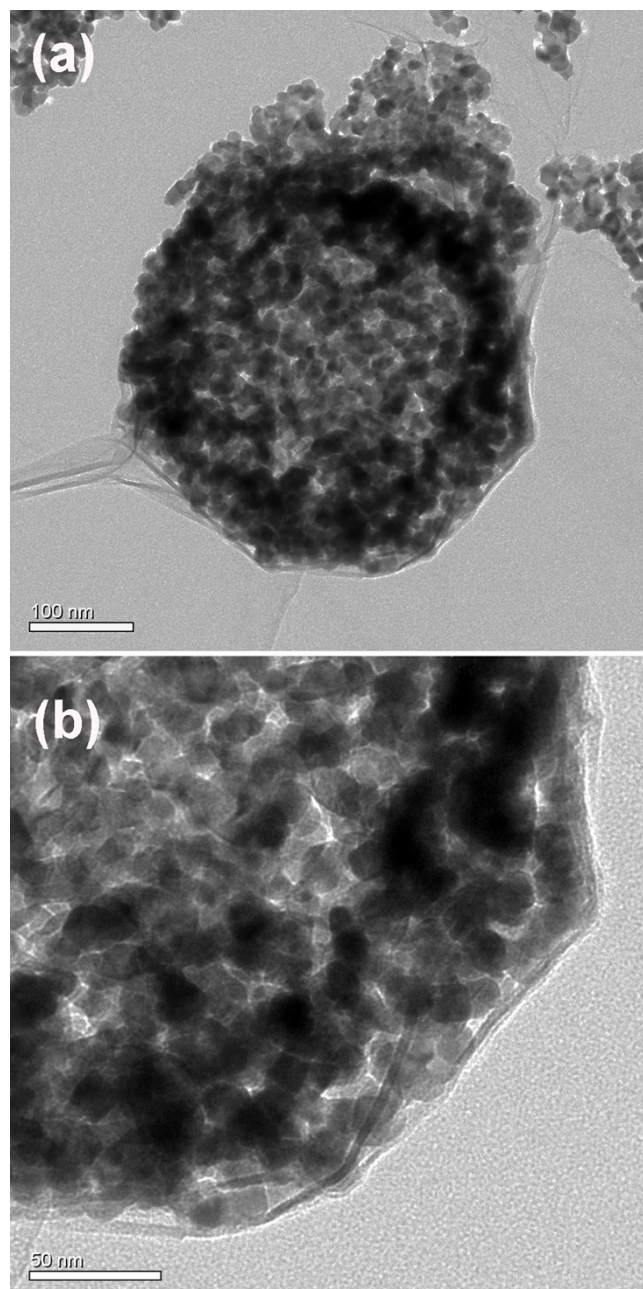
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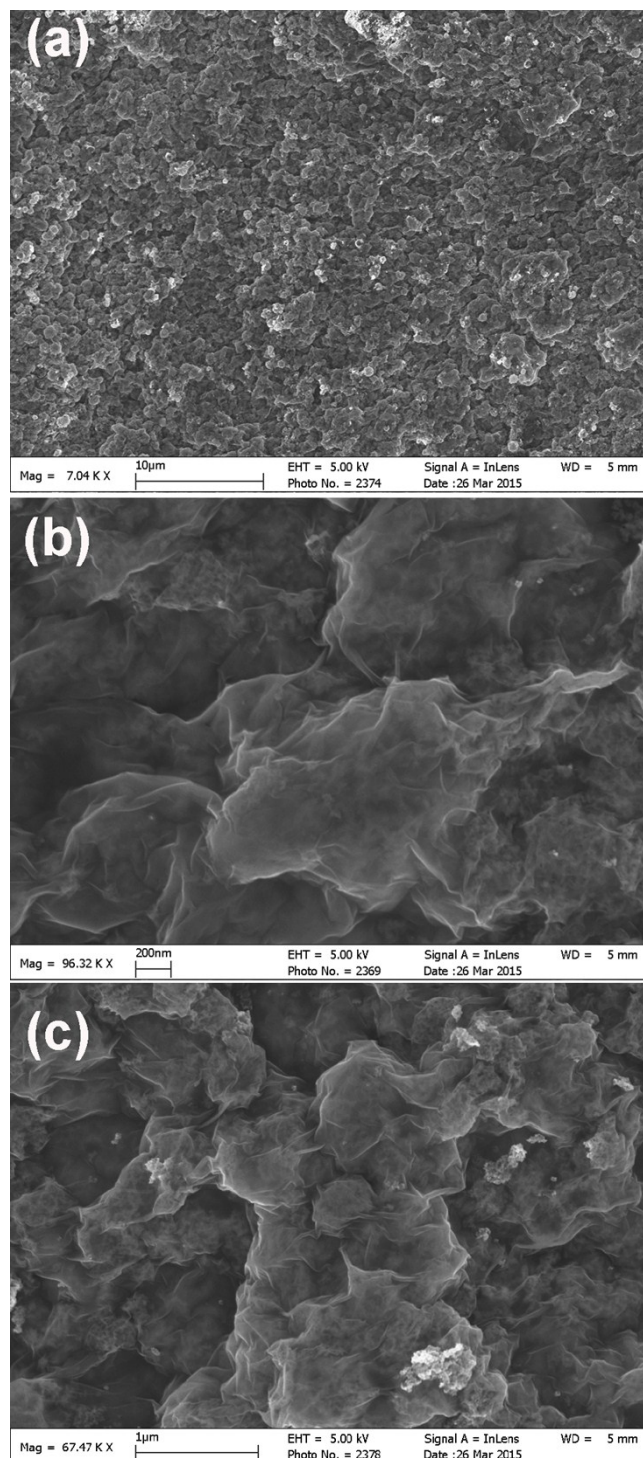
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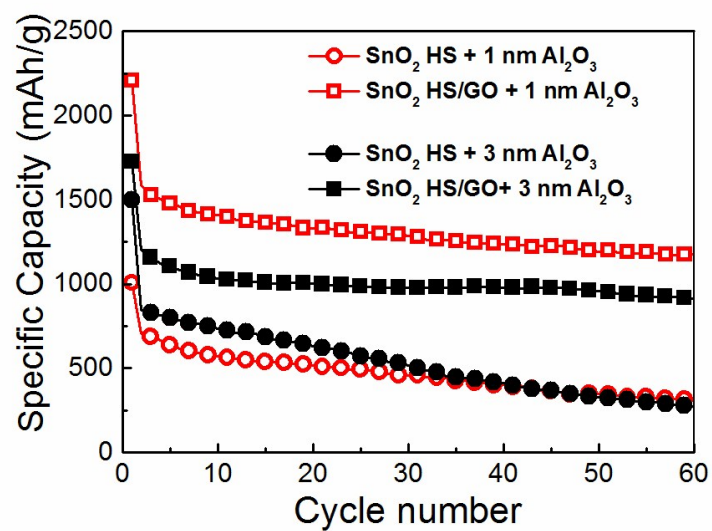
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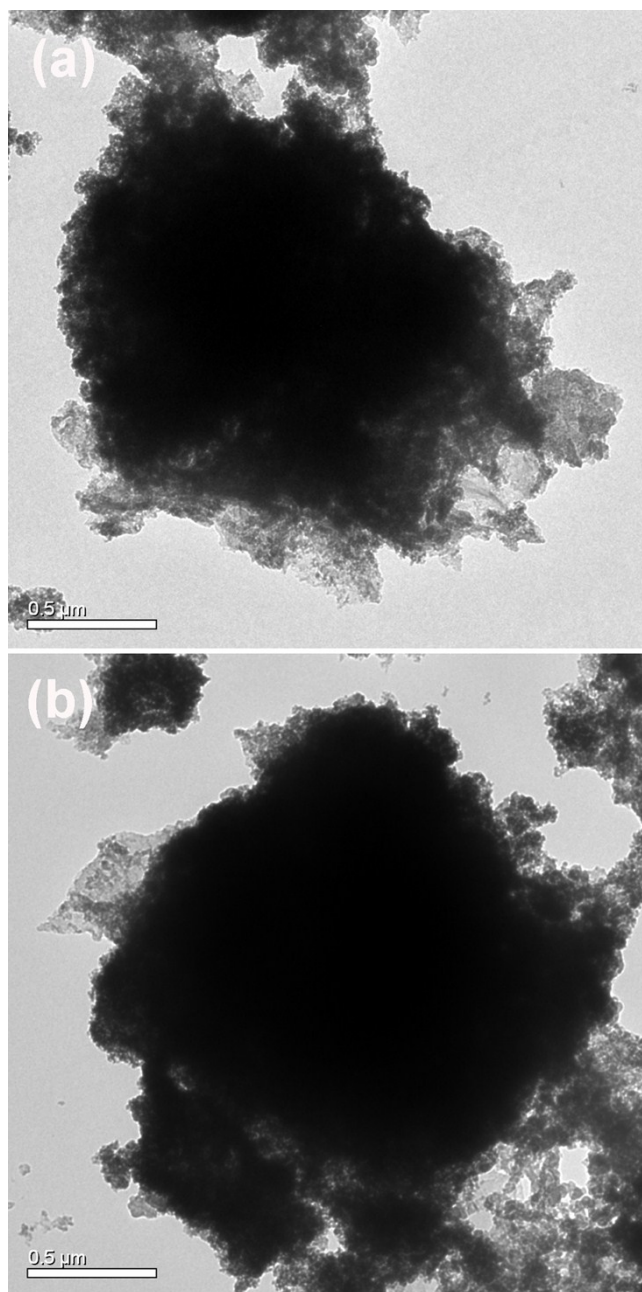
**Figure S1.** TEM images of GO wrapped SnO<sub>2</sub> hollow nanosphere.



**Figure S2.** SEM images of GO wrapped  $\text{SnO}_2$  hollow nanospheres.



**Figure S3.** Cycling performance of hollow SnO<sub>2</sub> spheres (with and without graphene wrapping) with 1 nm and 3 nm ALD coating.



**Figure S4.** TEM images of  $\text{Al}_2\text{O}_3$  stabilized  $\text{SnO}_2$  HS/GO anode after 60 charge/discharge cycles.