Shape and Size Controlled Synthesis and Properties of Colloidal IV-VI SnSe Nanocrystals

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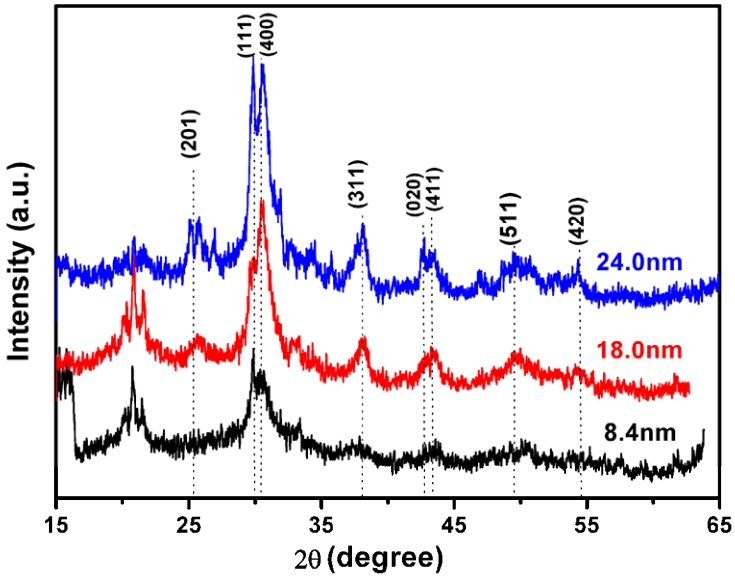

Figure S1. XRD patterns of SnSe nanocrystals with different size. The diffraction peaks become more wide and weak with decreasing the size of SnSe nanocrystals.

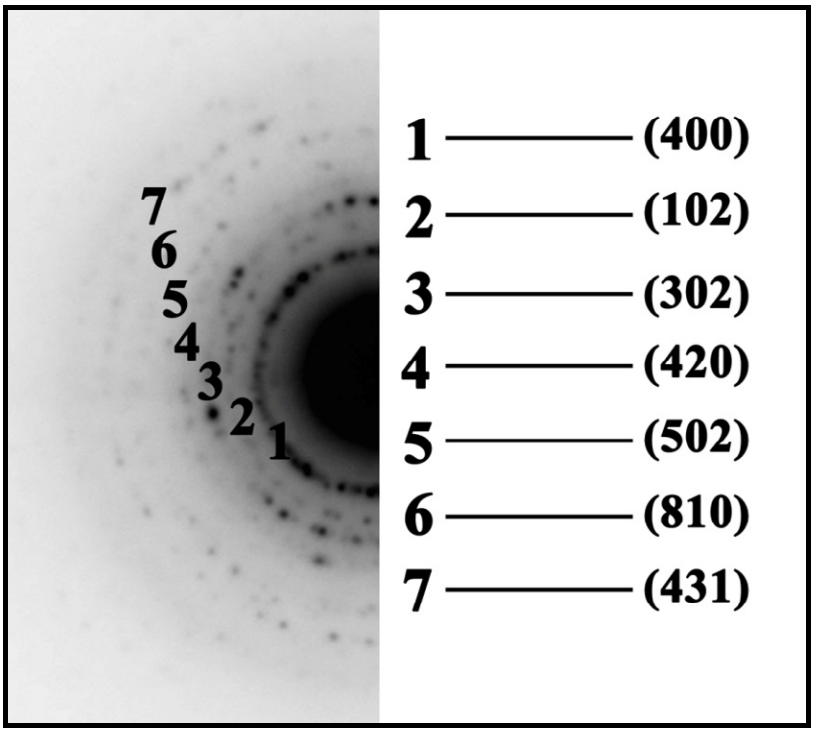

Figure S2. Selected area electron diffraction (SAED) of as-prepared SnSe nanocrystals.

Table 1. Size of SnSe nanocrystals synthesized with different experimental parameter.

	110 度	**140 度**
1:2	**19.5 nm**	**16.6 nm**
1:1	**7.2 nm**	**8.4 nm**
2:1	**24 nm**	**18 nm**

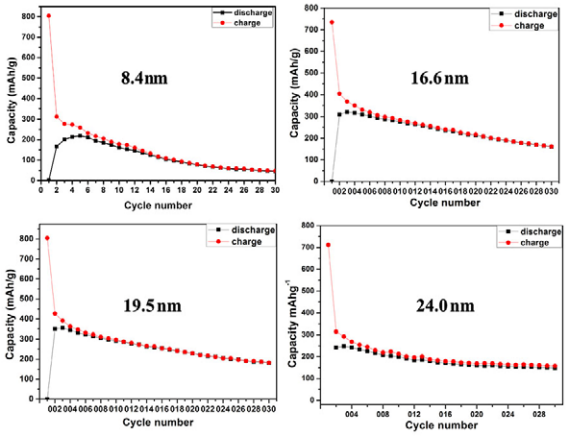

Figure S3. Cycle behavior of SnSe nanocrystals with different size as anode material for lithium ion batteries.