

**Synthesis of surface-functionalized t-Se microspheres *via* a
green wet-chemical route**

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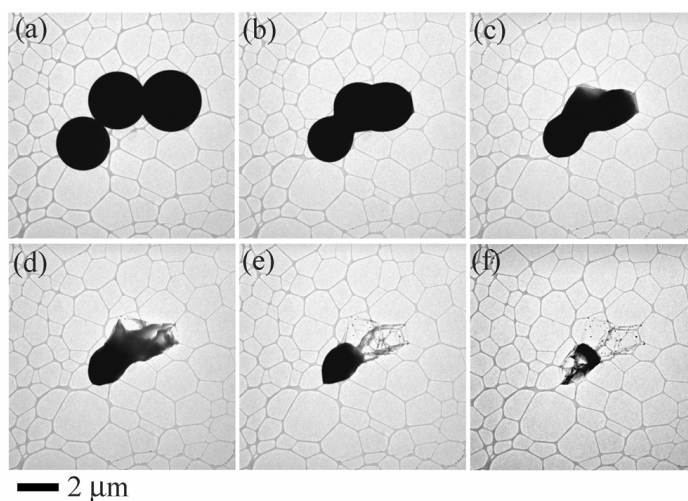


Figure S1. TEM images showing the typical morphology evolution of the Se microspheres irradiated under the electron beam. The whole exposure time is less than ~10 s.

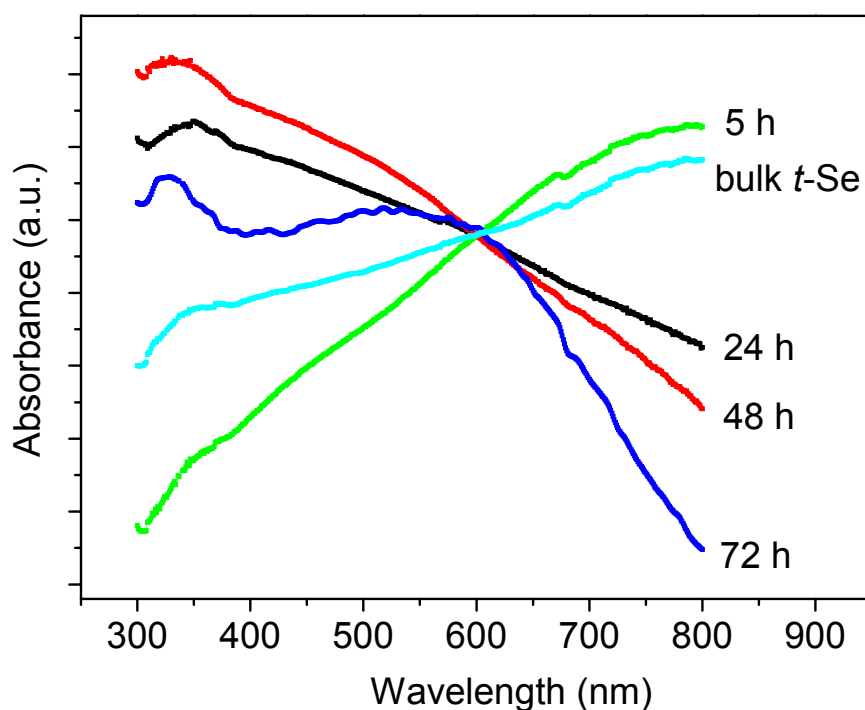


Figure S2. UV-vis absorbance spectra for the bulk *t*-Se powder and the as-synthesized Se particles at 150 °C for 5 h, 24 h, 48 h, and 72 h. The colloidal dispersion (in deionized water) was placed in a quartz cuvette and the cuvette was gently shaken before each spectrum was taken. All the spectra have been adjusted to fit an isobestic point at 600 nm.