Hexamethyldisilazane Assisted Synthesis of Indium Sulfide Nano Particles

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Electronic Supplementary Information

Fig. S1 Scanning electron micrographs of β–In$_2$S$_3$ NPs
**Fig. S2** TEM images of the concentrated samples (due to smaller size of NPs aggregates were observed)

**Fig. S3** Particle size distribution of β-In$_2$S$_3$ NPs (calculated from the diluted sample)
Fig. S4 PXRD pattern of 700 °C heated β–In$_2$O$_3$ NPs (compared with standard)

Average diameter $d_{av} = 8.08 \pm 3.76$ nm

Fig. S5 Representative Fluorescence images of the β–In$_2$S$_3$ NPs

Fig. S6 Fluorescence images (explaining emission of every particle in all three regions)
Fig. S7 Large area fluorescence images

Fig. S8 Fluorescence images of coated film.