Electronic Supplementary Material (ESI) for Journal of Materials Chemistry

Hexamethyldisilazane Assisted Synthesis of Indium Sulfide Nano Particles

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Electronic Supplementary Information

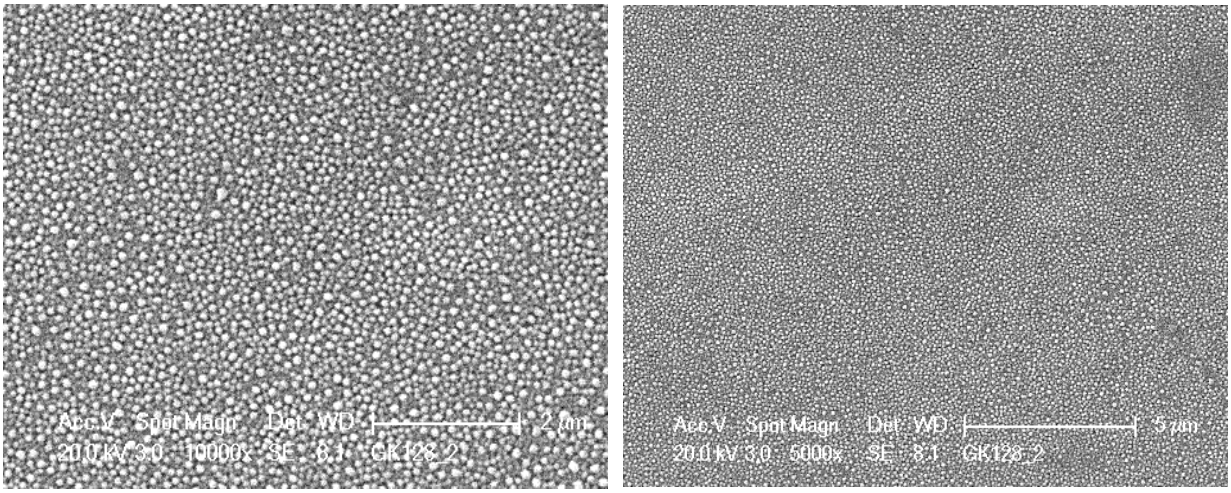

Fig. S1 Scanning electron micrographs of β−In_2S_3 NPs

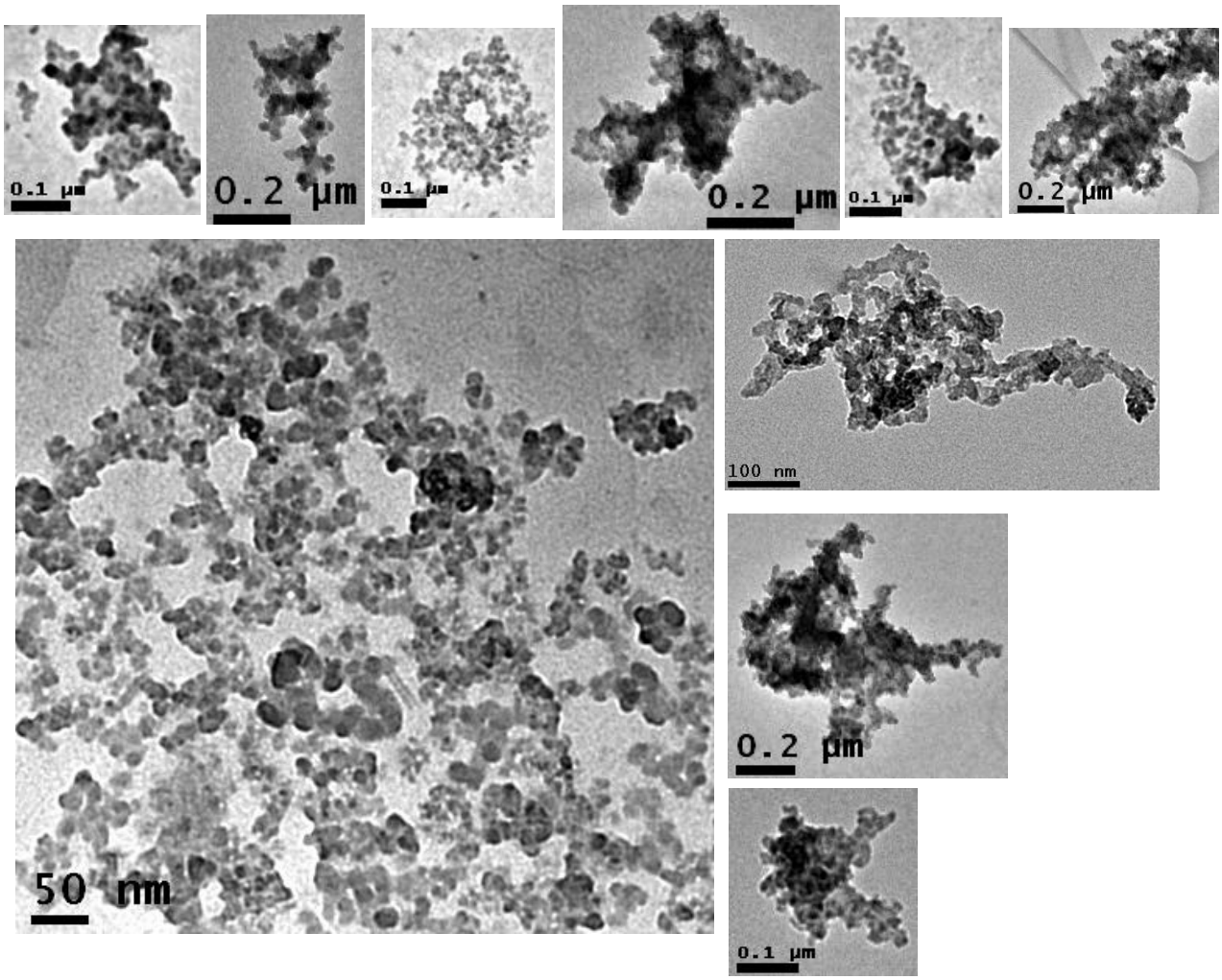

Fig. S2 TEM images of the concentrated samples (due to smaller size of NPs aggregates were observed)

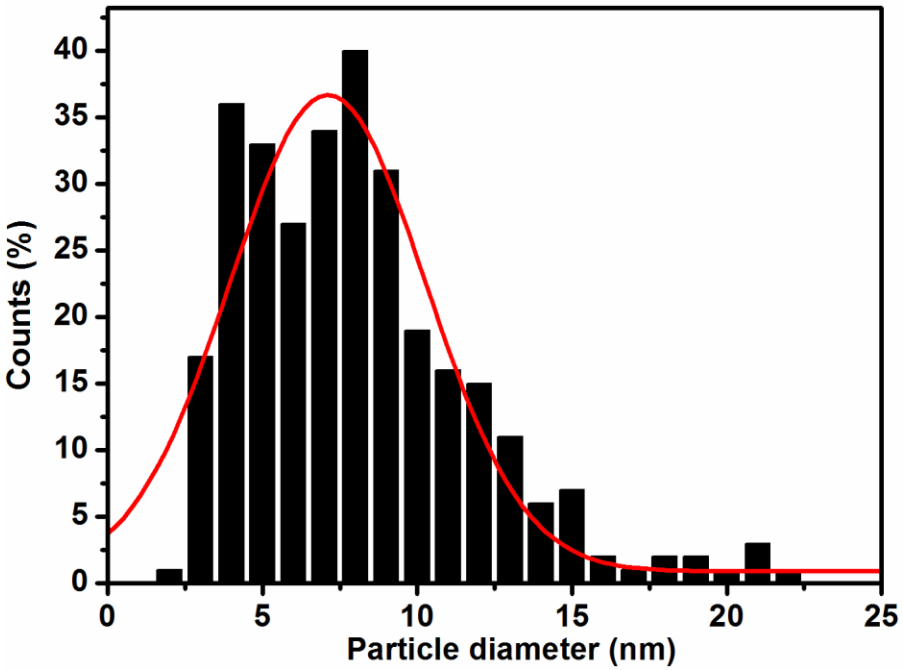

Fig. S3 Particle size distribution of β−In_2S_3 NPs (calculated from the diluted sample)

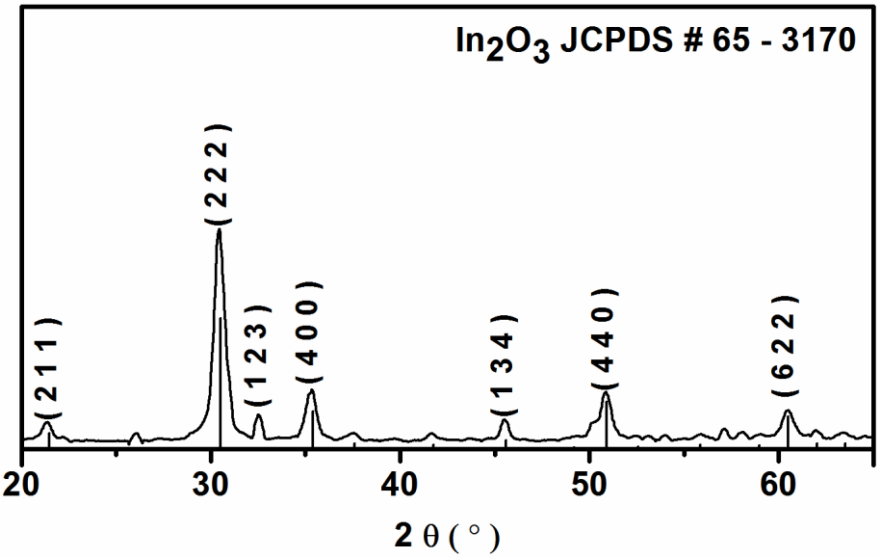

Fig. S4 PXRD pattern of 700 °C heated β−In_2O_3 NPs (compared with standard)

Average diameter d_{av}= 8.08 ± 3.76 nm

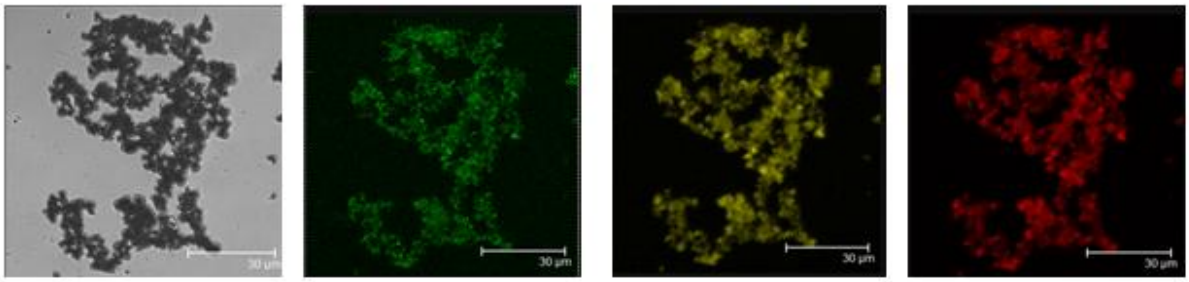

Fig. S5 Representative Fluorescence images of the β−In_2S_3 NPs

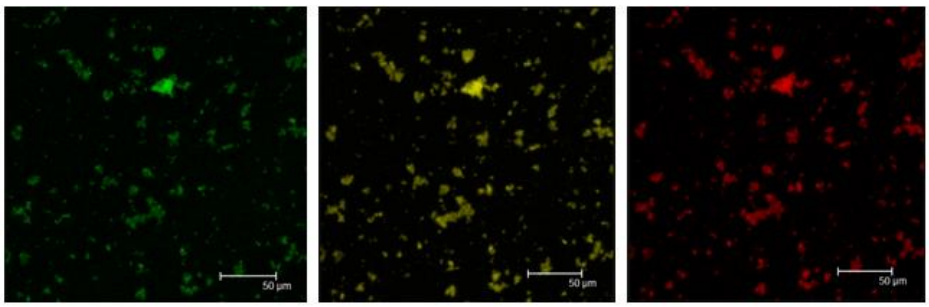

Fig. S6 Fluorescence images (explaining emission of every particle in all three regions)

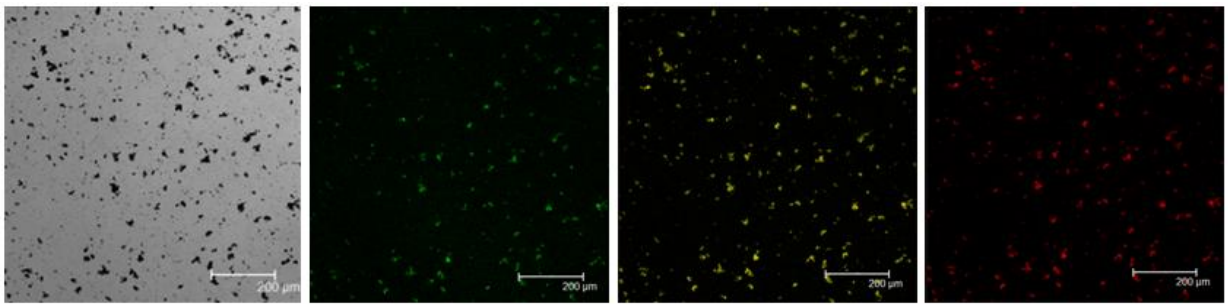

Fig. S7 Large area fluorescence images

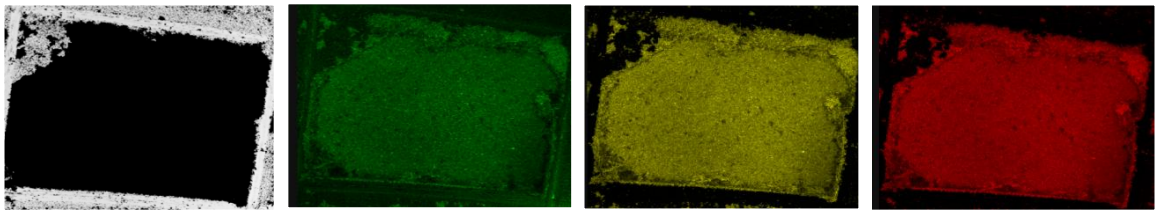

Fig. S8 Fluorescence images of coated film.