UV-shielding Transparent PMMA-In₂O₃ Nanocomposite Films based on In₂O₃ Nanoparticles

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Fig. S1 (a) XRD pattern of In_2O_3 nanoparticles (b) low-resolution TEM image of In_2O_3 nanoparticles (c) HRTEM image of In_2O_3 nanoparticles. The bar size is 5 nm. (d) FTIR spectrum for In_2O_3 nanoparticles.



Fig. S2 AFM images of (a) solvent cast pristine PMMA film (b) spin cast pristine PMMA film (c) solvent cast PMMA-IO1 nanocomoposite film (d) spin cast PMMA-IO1 nanocomposite film. 3D AFM images for (e) solvent cast PMMA-IO1 (f) and spin cast PMMA-IO1 nanocomposite films are also given.