Supporting Information

Highly Transparent Bulk PMMA/ZnO Nanocomposites with Bright Visible Luminescence and Efficient UV-Shielding Capability

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Figure S1. Photos of 4 cm (diameter) x 0.4 cm (thickness) PMMA/ZnO-1 and -2 sheets. The refractive index is about 1.4444 for both PMMA/ZnO-1 and -2.
**Figure S2** HRTEM images of the ultrathin PMMA/ZnO samples: (A) PMMA/ZnO-1, (B) PMMA/ZnO-2. Inset: the images enlarged three times of the selected areas.
Figure S3. The spectra for the ZnO QDs plotted as $(\alpha h v)^2$ versus $h v$ according to the corresponding UV-vis spectra in Figure 3 and Figure 5. ($\alpha$: the absorption coefficient.) Extrapolation of the linear region gives a band gap ($E_g$) of 3.81 eV for PZQ-1, 3.67 eV for PMMA/ZnO-1 and 3.58 eV for both PZQ-2 and PMMA/ZnO-2, respectively.
Figure S4. Equations on preparation of PMMA/ZnO nanocomposites and the possible interaction between the two components.