Supporting Information

Carbon Dots with Wide-Spectrum Absorption for Enhanced Anti-Aging of Poly(vinyl chloride) Films

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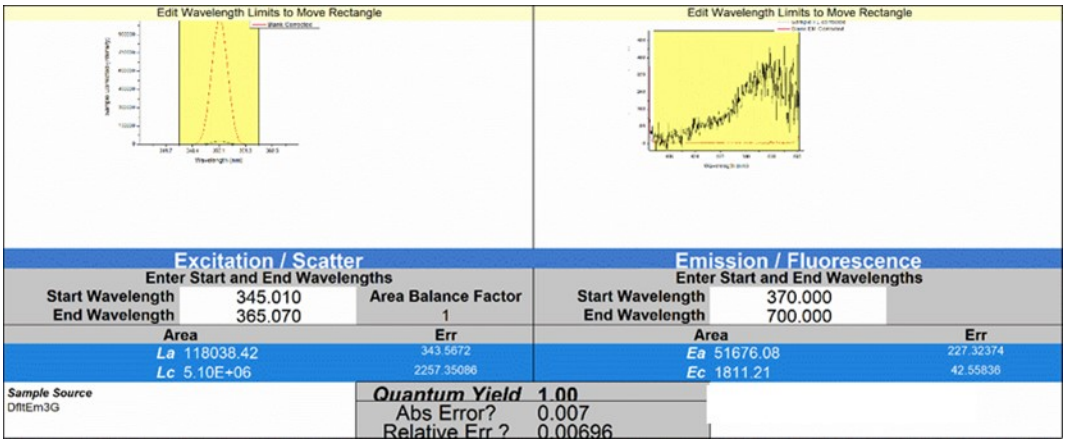

Figure S1. Absolute fluorescence quantum yield of gm-CDs solution.

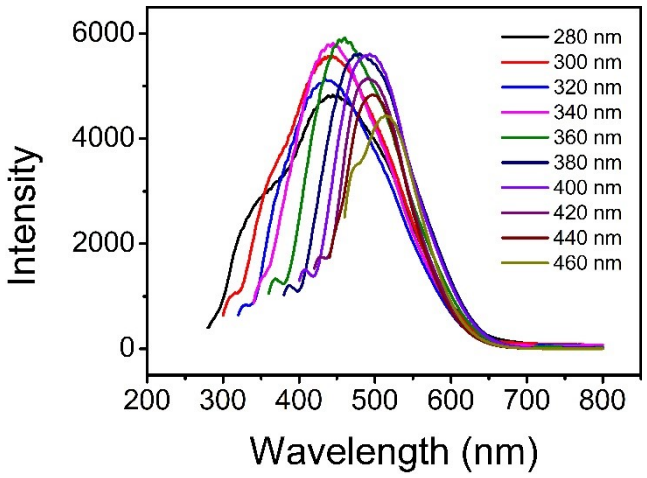

Figure S2. PL emission spectra with different excitation wavelengths of gm-CDs solution.

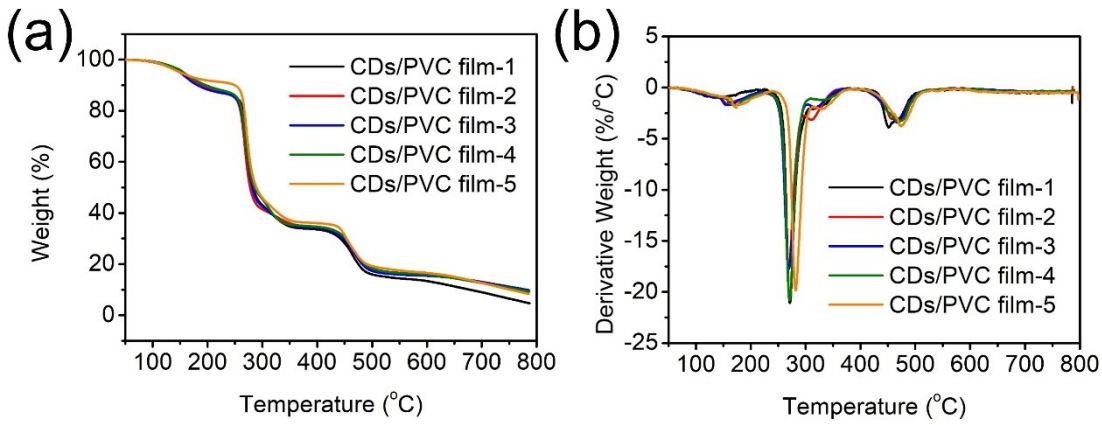

Figure S3. (a) Thermogravimetric analysis and (b) derivative thermogravimetric analysis thermograms of CDs/PVC composite films with the heating rate of 10 °C min^{-1} under N_2 atmosphere.

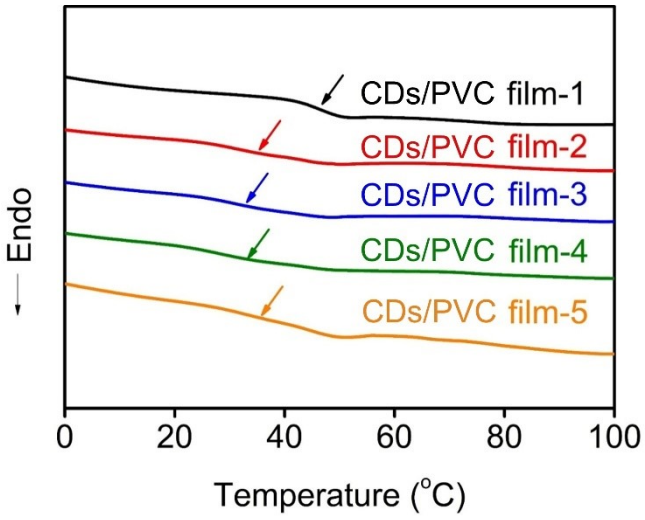

Figure S4. Differential scanning calorimetry thermograms of CDs/PVC composite films with the heating rate of 10 °C min^{-1} under N_2 atmosphere.

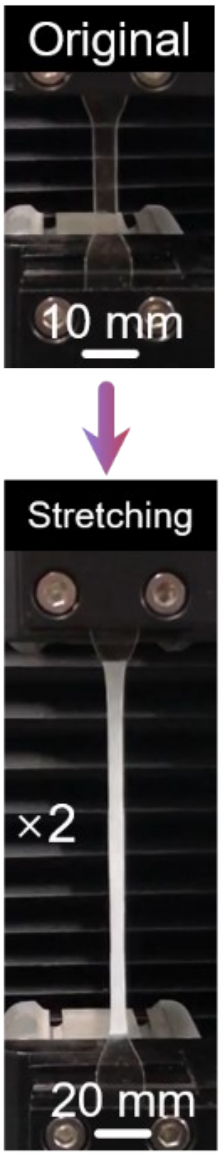

Figure S5. Tensile photographs of PVC film without gm-CDs.