

Electronic Supplementary Information

## Simultaneous ultraviolet and first near-infrared window absorption of luminescence carbon dots/PVA composite film

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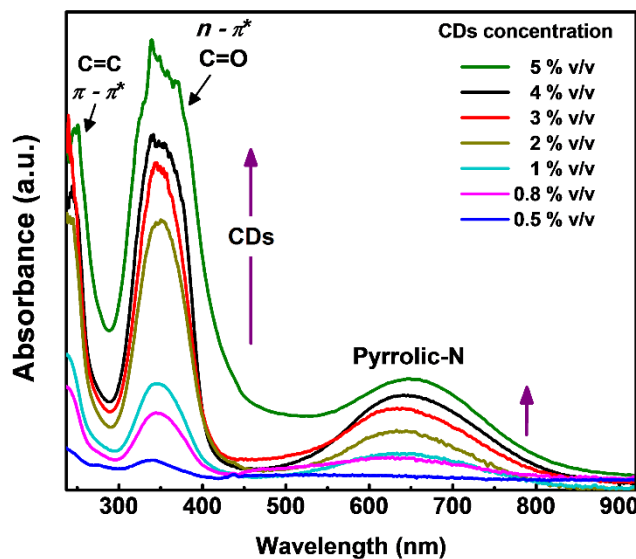


Fig. S1. UV-vis spectra of CDs/PVA composite films with different concentration of dispersed CDs in PVA.

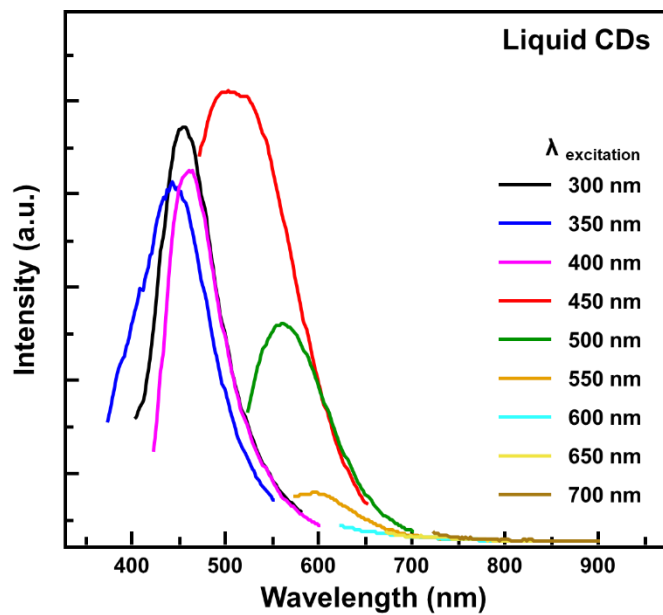


Fig. S2. Photoluminescence spectra of the liquid CDs under various excitation wavelength.

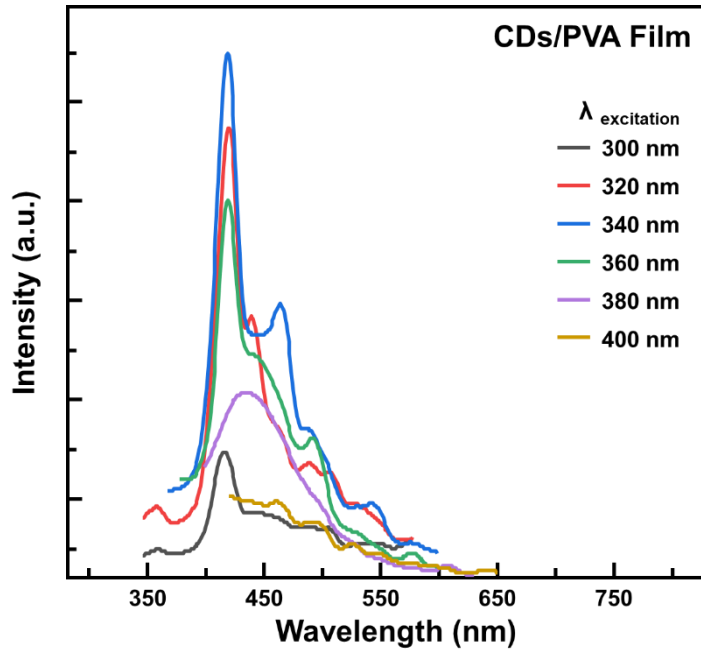


Fig. S3. Photoluminescence spectra of the CDs/PVA composite film with CDs concentration of 4% v/v under various excitation wavelength.