

Electronic Supplementary Information

Steady State and Time Resolved Spectroscopic Study of C-Dots - MEH-PPV Polymer Nanoparticles Composites[†]

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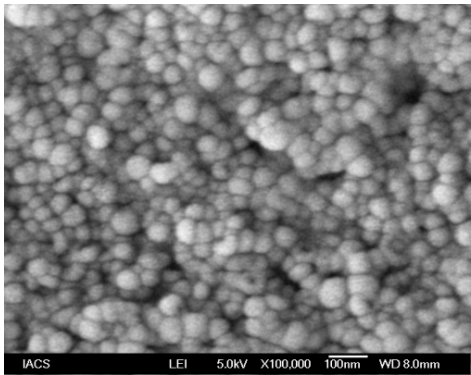


Figure S1: SEM image of MEH-PPV polymer nanoparticles.

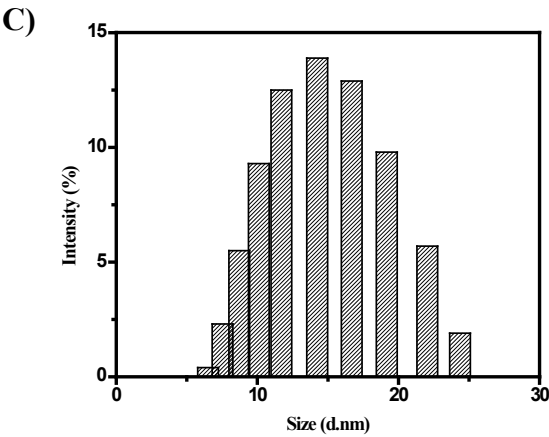
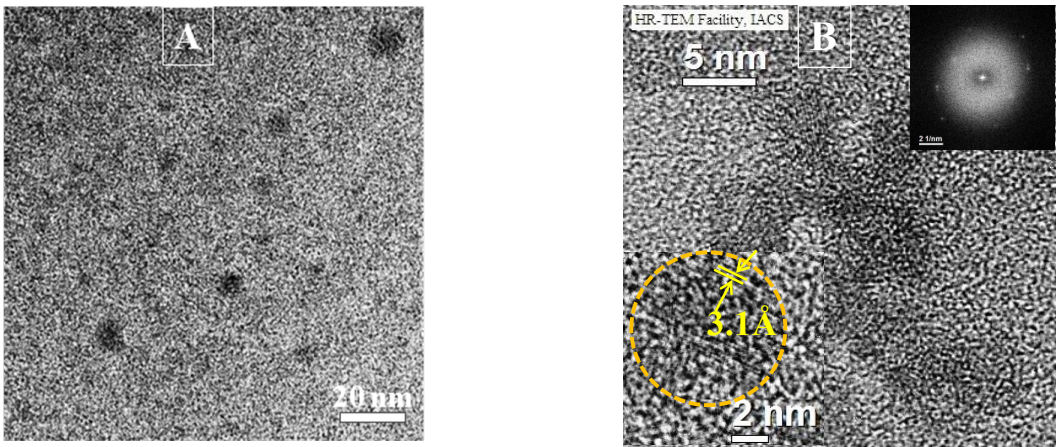


Figure S2: TEM images of C-dot₁₀ at low resolution (A), at high resolution (B). Particle size distribution of C-dot₁₀ from DLS (C)

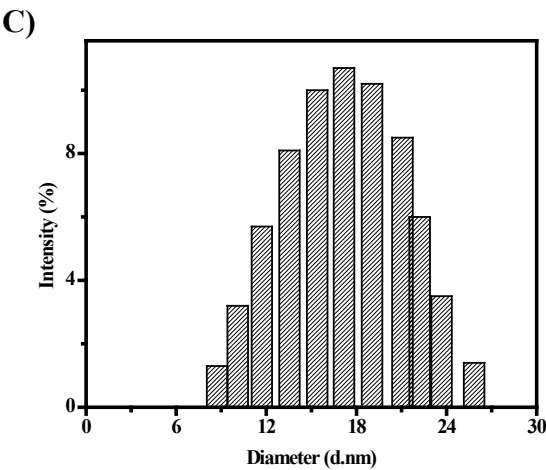
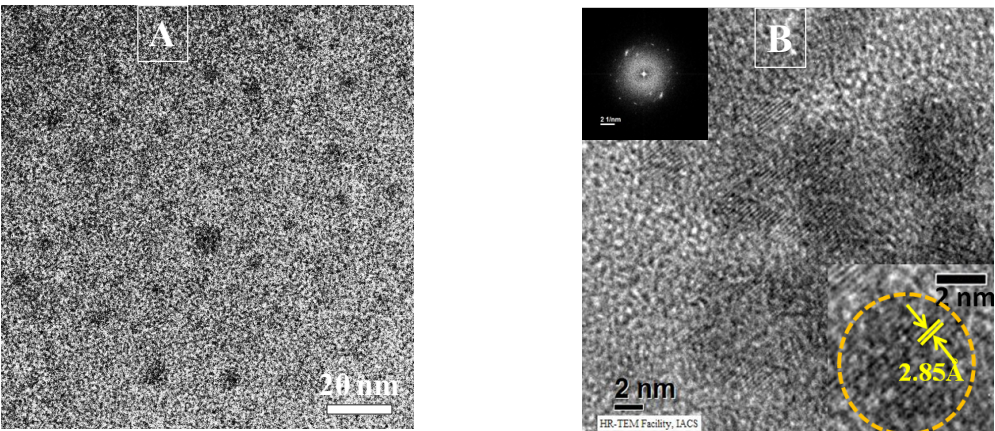


Figure S3: TEM images of C-dot₂₀ at low resolution (A), at high resolution (B). Particle size distribution of C-dot₂₀ from DLS (C).

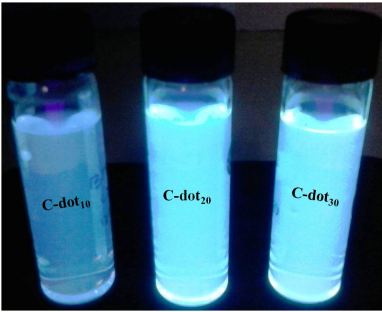


Figure S4: Three different C-dots upon UV light irradiation ($\lambda_{\text{ex}}=365$ nm)

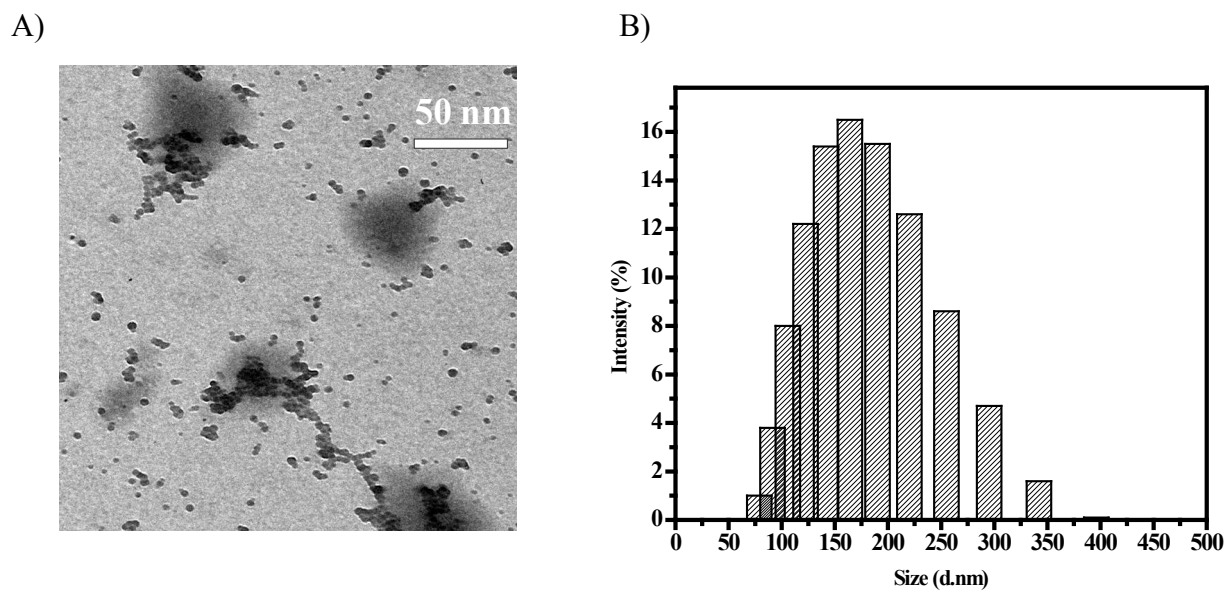


Figure S5: TEM image (A) and hydrodynamic size distribution (B) of C-dot₁₀-PNP_{0.1} composite.

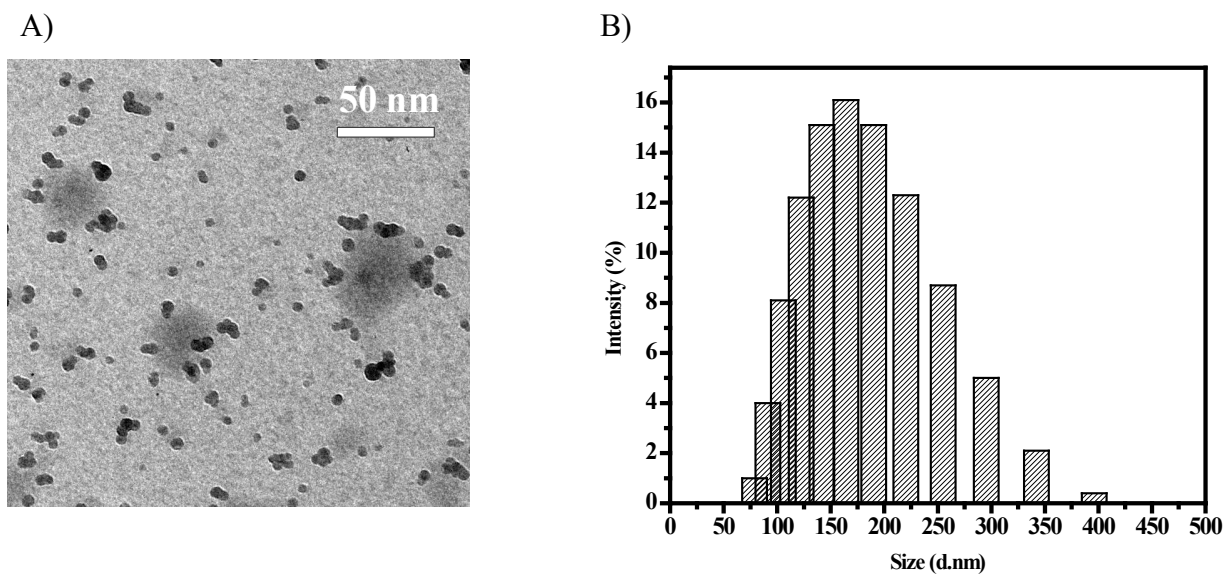


Figure S6: TEM image (A) and hydrodynamic size distribution (B) of C-dot₂₀-PNP_{0.1} composite.

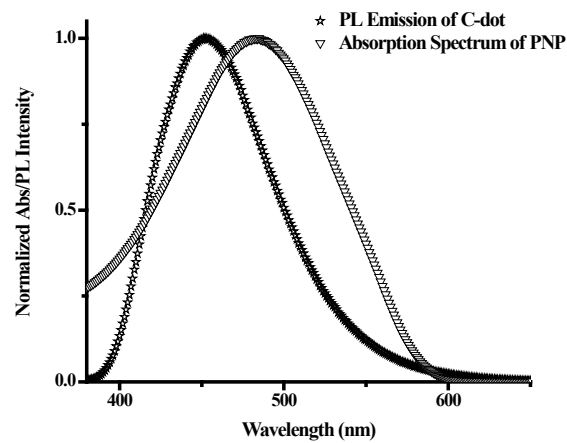


Figure S7: Overlap integral between the emission spectra of C-dot and absorption spectra of PNPs.

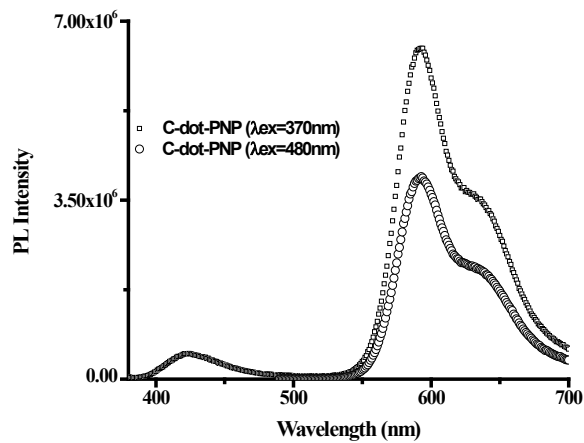


Figure S8: PL spectra of C-dot-PNP system at different excitation wavelength

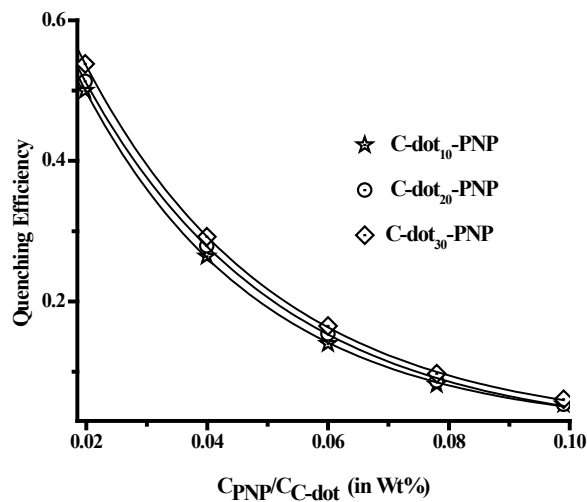


Figure S9: Comparison PL quenching efficiency of C-dots in presence of different concentration of PNP for three different batches.