

Supplementary Materials

FRET-based semiconducting polymer dots for pH sensing

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Additional Figures

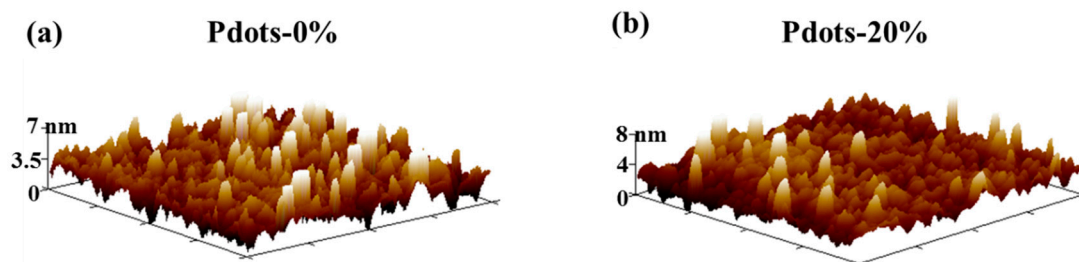


Figure S1. The 3D morphologic images of Pdots-0% (a) and Pdots-20% (b).

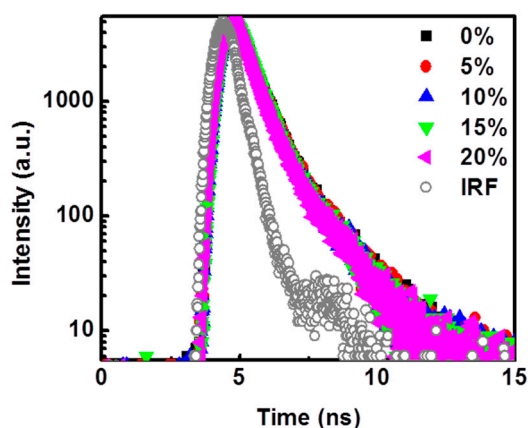


Figure S2. Time-resolved fluorescence spectra of Pdots doped with different BDMO-PPV contents.

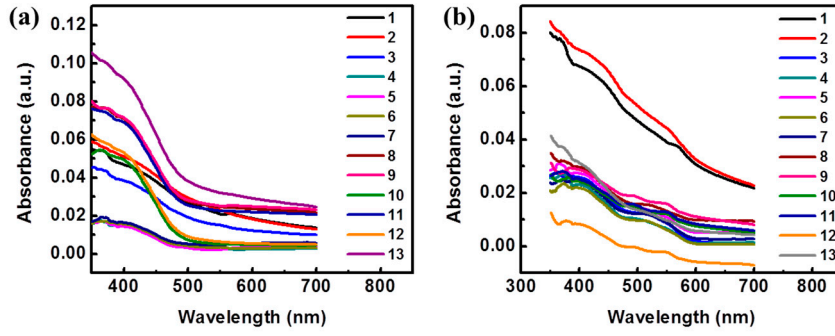


Figure S3. Absorption spectra of Pdots-0% and Pdots-20% at various pH values.

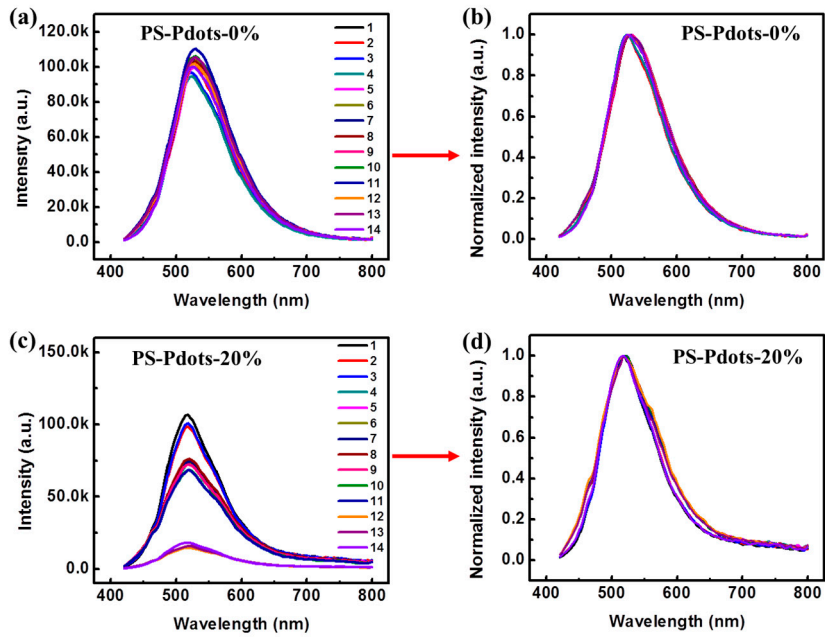


Figure S4. Fluorescence spectra of the reference system comprising PFV as the donor and BDMO-PPV as the acceptor and adding PS as matrix under various pH values: (a,b) PS-Pdots-0%; (c,d) PS-Pdots-20%.

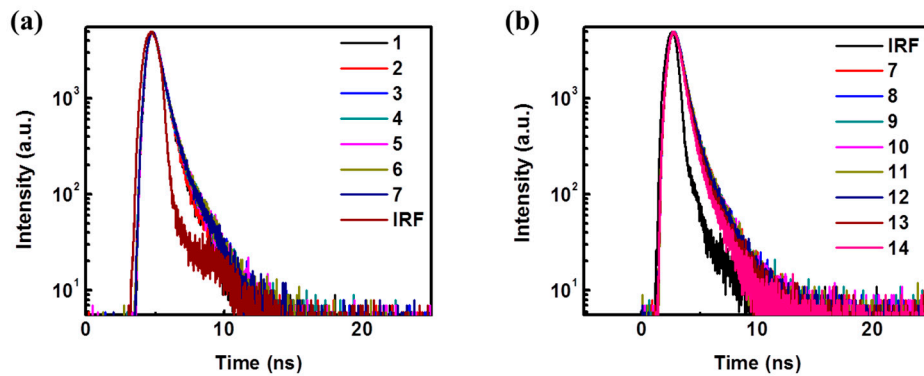


Figure S5. Time-resolved fluorescence spectra of Pdots-20% under various pH values.

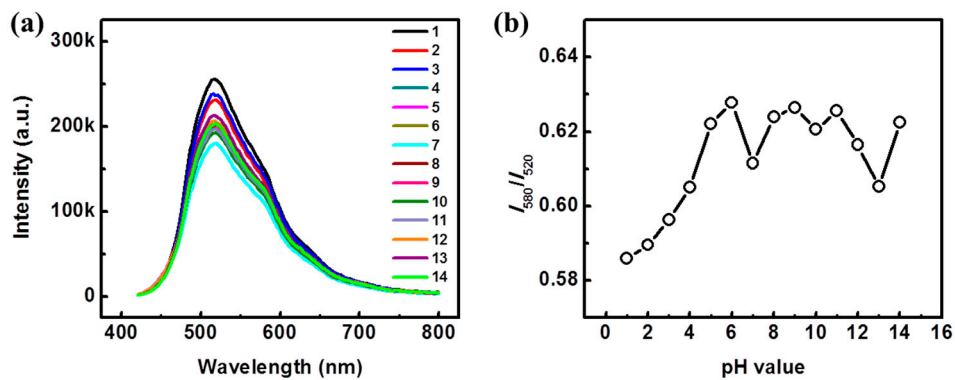


Figure S6. Fluorescence properties of Pdots-2% at various pH: (a) Fluorescence spectra; (b) Plot of the relative fluorescence intensity ratios (I_{580}/I_{520}) in response to pH values.