Probing Temperature- and pH-Dependent Bindingbetween Quantum Dots and Bovine Serum Albumin by Fluorescence Correlation Spectroscopy

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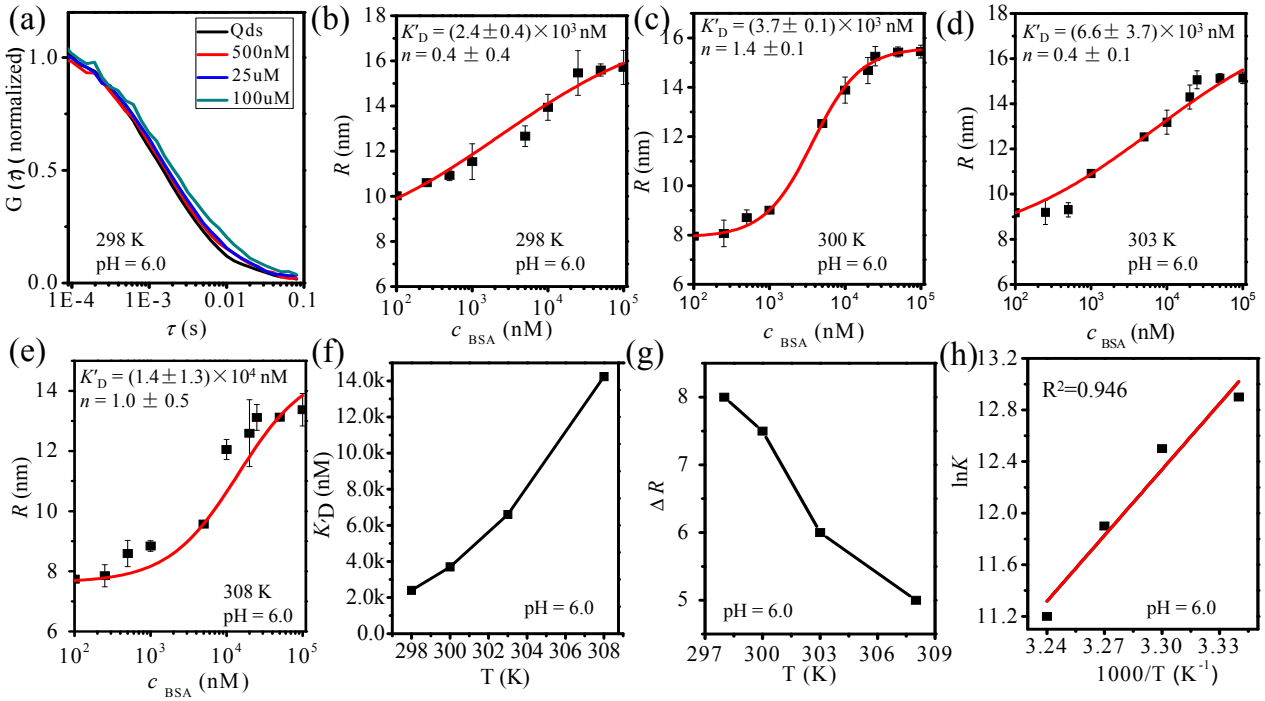

Figure.S1 (a) FCS correlation curves and (b) hydrodynamic radius of QDs-COOH at different BSA concentrations (pH = 6.0) at 289 K. (c-e) Hydrodynamic radius of QDs-COOH at different BSA concentrations (pH = 6.0) at different temperatures. (f-g) Plot of K'_D, ΔR against temperature. (h) Plot of ln$K$ against 1/T.

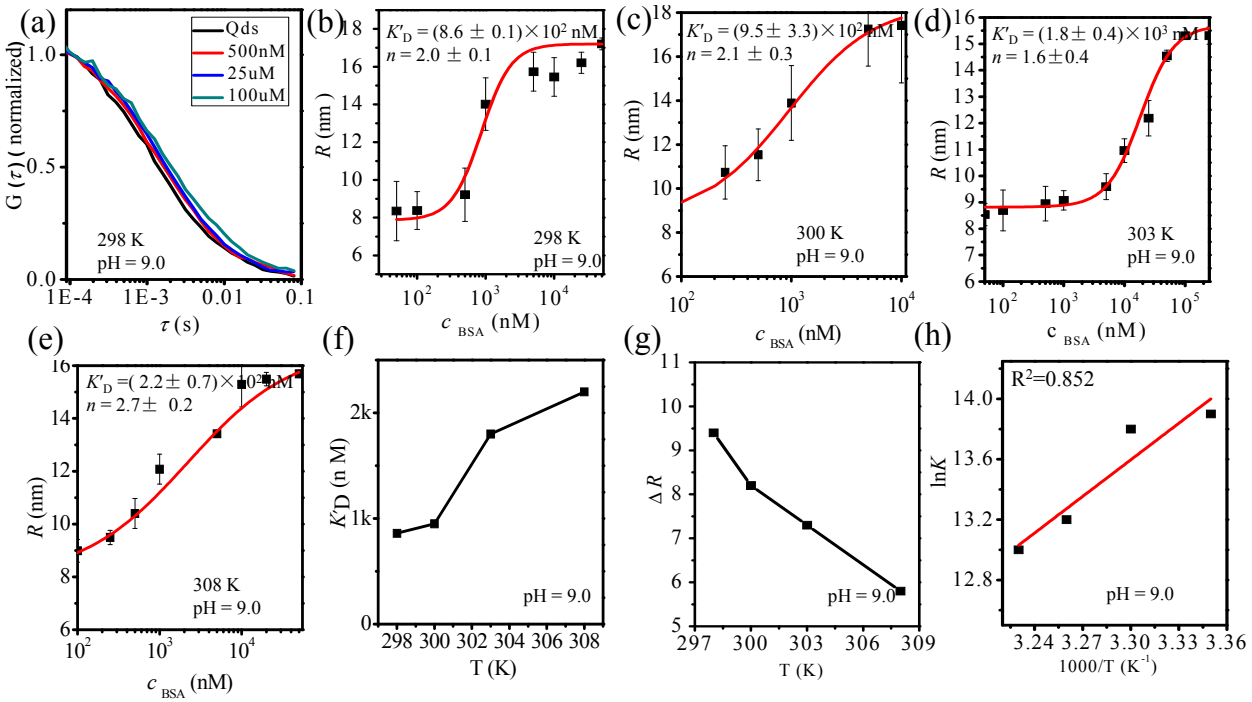

Figure. S2 (a) FCS correlation curves and (b) hydrodynamic radius of QDs-COOH at different BSA concentrations (pH = 9.0) at 289 K. (c-e) Hydrodynamic radius of QDs-COOH at different BSA concentrations (pH = 9.0) at different temperatures. (f-g) Plot of K'_D , ΔR against temperature. (h) Plot of ln$K$ against 1/T.

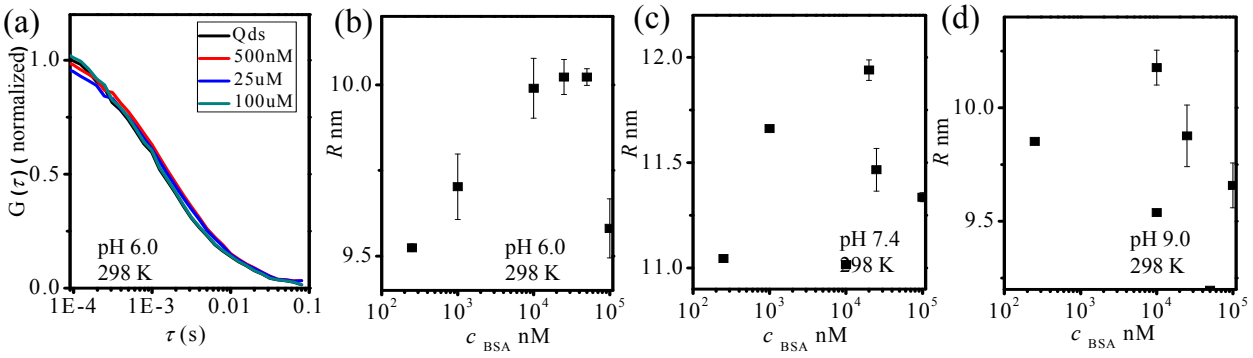

Figure. S3 (a) FCS correlation curves and (b-d) Hydrodynamic radius of QDs-PEG at different BSA concentrations (T = 298 K) at different pH.