Supplementary material

Insight into the DNA adsorption on nitrogen-doping positive carbon dots

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The calculated process of the fluorescence anisotropy value of FAM-DNA

The excitation wavelength was 488 nm, and the fluorescence intensity at 520 nm was recorded. H stands for horizontal, V stands for vertical, for example I_{HV} stands for horizontal polarized excitation and vertical polarized emission. G is the instrument calibration factor, r is the anisotropy value. The fluorescence anisotropy value of the samples were calculated as following equation:

$$G = \frac{I_{HV}}{I_{HH}}$$
$$r = \frac{I_{VV} - GI_{VH}}{I_{VV} + 2GI_{VH}}$$



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10 mM PBS

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