Supporting information

One-pot synthesis of highly greenish-yellow fluorescent nitrogen-doped graphene quantum dots for pyrophosphate sensing via competitive coordination with Eu\(^{3+}\) ions

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**Figure S1** Photostability of the N-GQDs and FITC under continuous irradiation for 2 h.

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Figure S2  The effect of NaCl concentration on N-GQDs fluorescence intensity.
Figure S3 Effect of different pH values on the fluorescence intensity of N-GQDs.
**Figure S4** XRD pattern the N-GQDs.
Figure S5 Raman spectrum of the N-GQDs.
Figure S6 FTIR spectra of the N-GQDs.