

Electronic Supplementary Information:

Ultra sensitive and wide-range pH sensor based on the BSA-capped Cu nanoclusters fabricated by fast synthesis through the use of hydrogen peroxide additive

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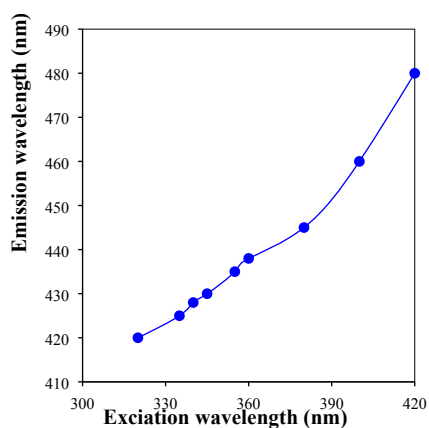


Fig.s1 The relationship curve of the excitation wavelength with the emission wavelength

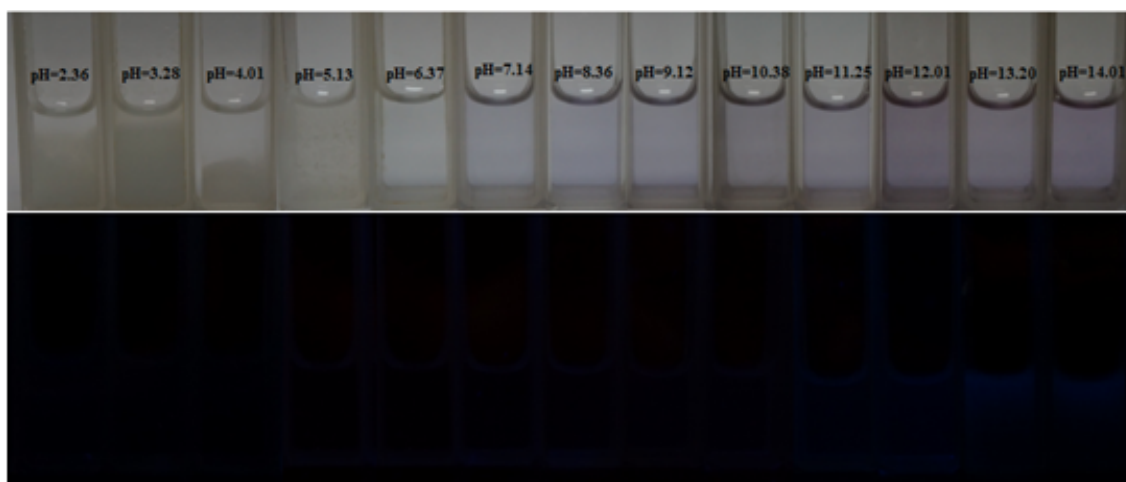


Fig.s2 Photographs for recording color changes of the CuNCs-c in the BR buffer at different pH value under visible light (upper) and UV light (under).

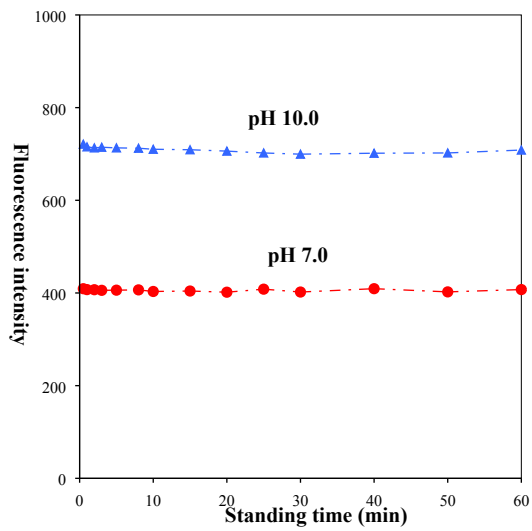


Fig.s3 The effect of standing time on the pH measurement

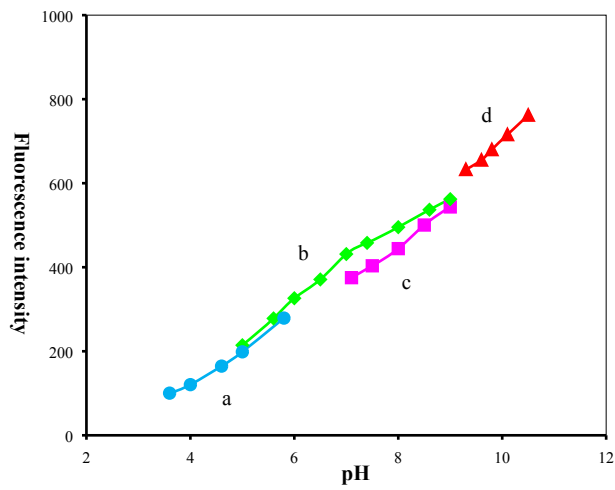


Fig.s4 Relationship curves of the fluorescence intensity with the pH values in the HAc-NaAc (a), PBS buffer (b) , Tris-HCl (c) and borax-HCl buffer (d).