

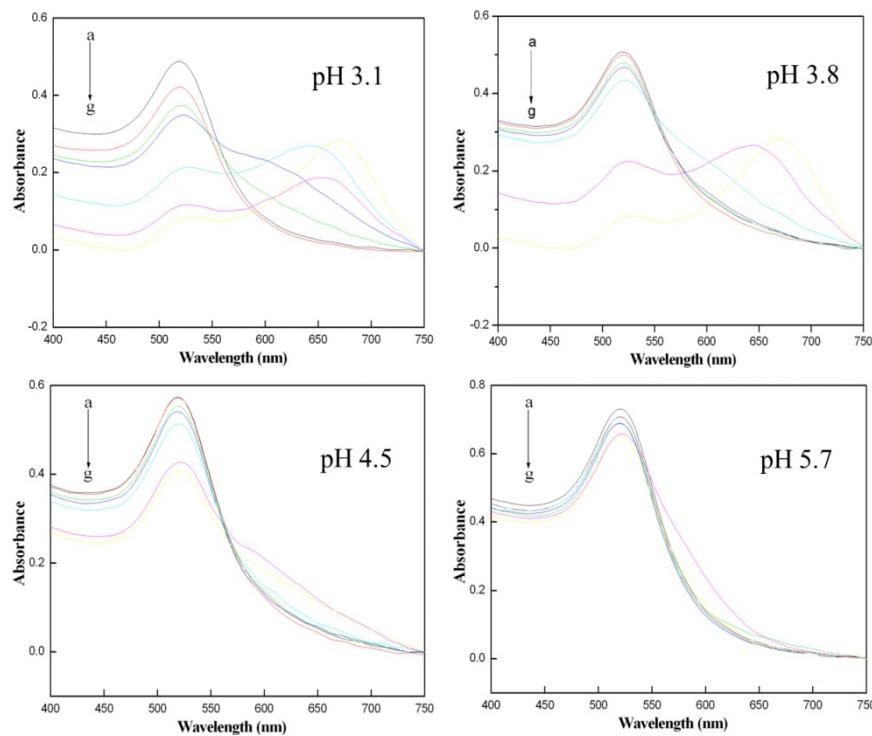
## Colorimetric sensing of atrazine in rice samples using cysteamine functionalized gold nanoparticles after solid phase extraction

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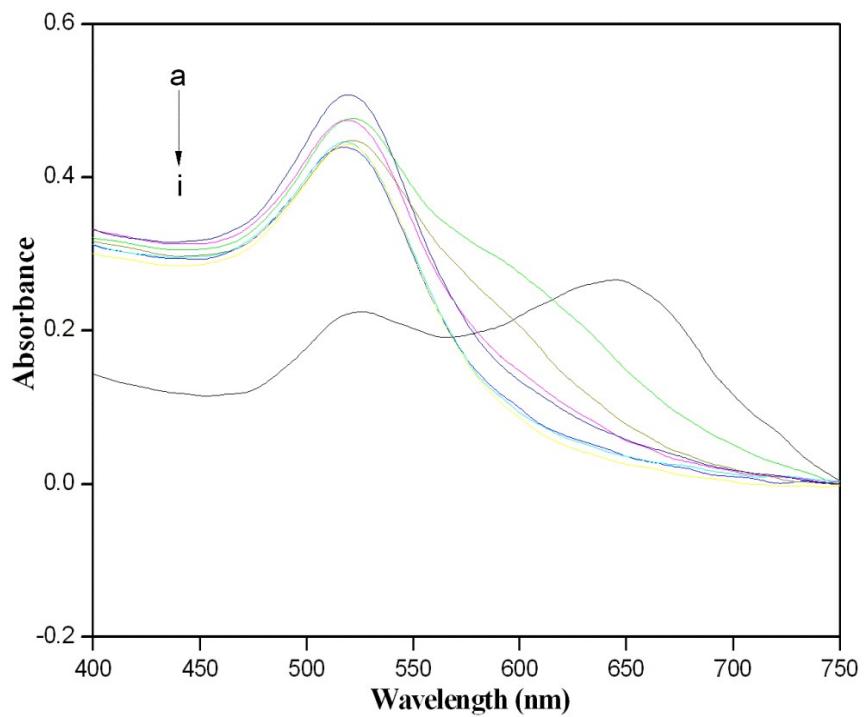
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**Fig. S-1** UV-vis spectra of cysteamine-AuNPs solution with different concentrations of atrazine under different pH conditions (a, Blank; b, 0.033 µg/g; c, 0.167 µg/g; d, 0.33 µg/g; e, 1.67 µg/g; f, 3.33 µg/g; g, 6.67 µg/g).



**Fig. S-2** UV–vis spectra of cysteamine-AuNPs solution with atrazine and other interfering substances (a, Blank; b,  $\text{Na}^+$ ; c, glucose; d,  $\text{Mg}^{2+}$ ; e, vitamin C; f, L-cysteine; g, hexazinone; h,  $\text{Hg}^{2+}$ ; i, atrazine).