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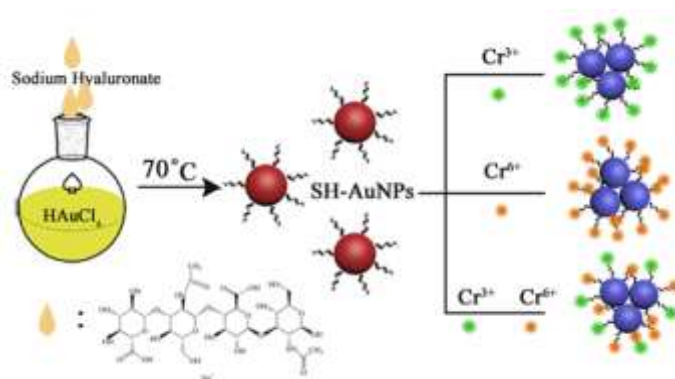
# Gold nanoparticles based colorimetric probe for Cr(III) and Cr(VI) detection

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## Graphical Abstract



## Highlights

- The sodium hyaluronate protected AuNPs were synthesized through a simple process.
- The SH-AuNPs can be used for colorimetric detection of Cr<sup>3+</sup> and Cr<sup>6+</sup> synchronously.
- The SH-AuNPs can be applied to detecting for chromium ions in real lake water samples with strong anti-interference ability.

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