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# Highly Selective and Sensitive Fluorescence Detection of Hydroquinone Using Novel Silicon Quantum Dots

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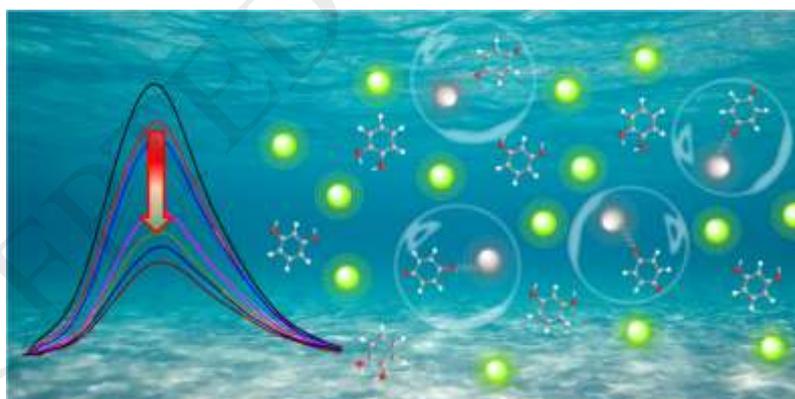
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Graphical Abstract

for TOC only



## Highlights

- Silicon quantum dots show excellent selectivity to hydroquinone.
- A highly selective and sensitive fluorescent probe for hydroquinone was developed.
- The fluorescent probe can eliminate the interference from catechol and resorcinol.
- The electron transfer and inner filter effect led to the fluorescence quenching.

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