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Experimental and theoretical validations of a one-pot sequential sensing of Hg^{2+} and biothiols by a 3D Cu-based zwitterionic metal-organic framework

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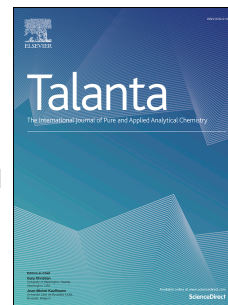
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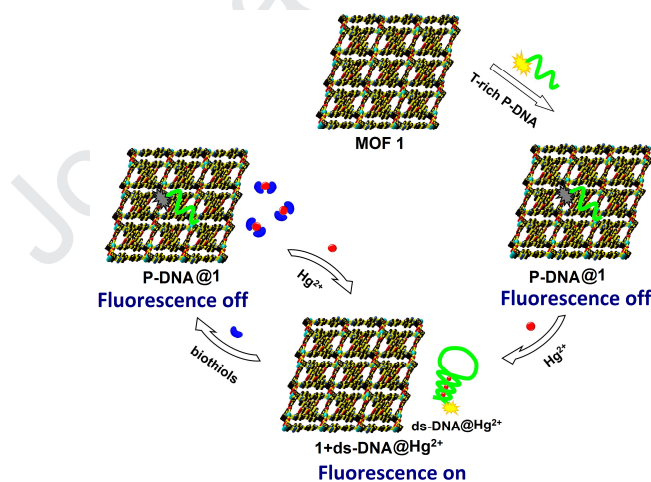


Graphic Abstract

Experimental and theoretical validations of a one-pot sequential sensing of Hg^{2+} and biothiols by a 3D Cu-based zwitterionic metal–organic framework

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A sequential sensing of Hg^{2+} and biothiols in one-pot by a 3D Cu-based zwitterionic metal–organic framework has been performed, with the sensing mechanism validated by both experimental evidences and energy/structural simulations.



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