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**Investigating binding characteristics of cadmium and copper to  
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combined with two-dimensional FTIR correlation analyses**

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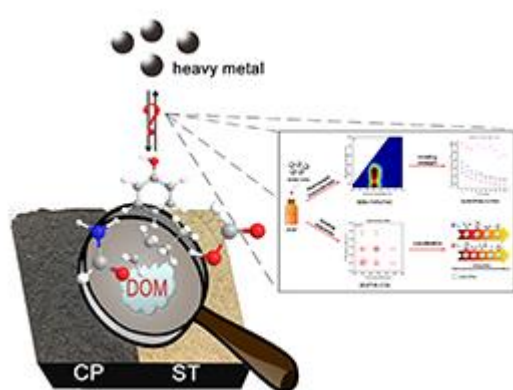
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