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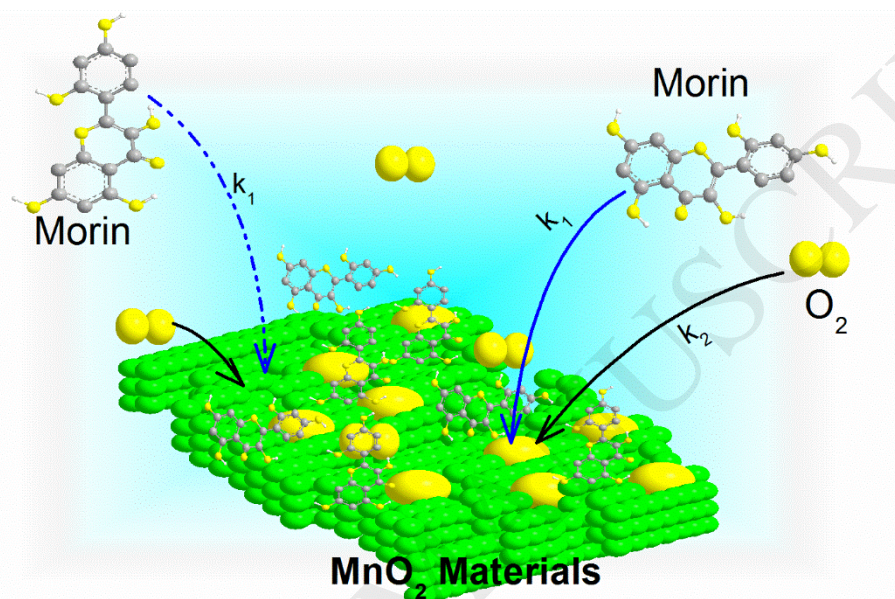
Isothermic adsorption of morin onto the reducible mesoporous manganese oxide materials surface.

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Graphical abstract



Highlights:

- Synthesis of reducible mesoporous manganese oxide materials following the inverse micelle sol-gel approach.
- Surface area and porosity of mesoporous manganese oxide materials were found to be dependent on the heat treatment.
- Physicochemical sorption of substrate onto mesoporous manganese oxide surface was interpreted according to the Mars-van Krevelen and Langmuir-Hinshelwood models.

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