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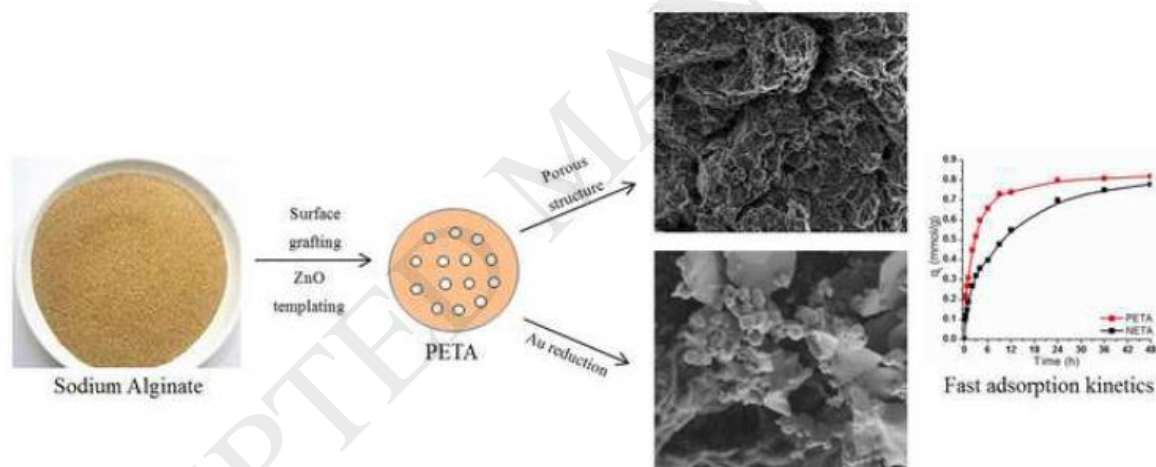
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### Graphical Abstract



### Highlights

- Zinc oxide templating of porous alginate adsorbent
- Attainable high uptake capacity and fast adsorption kinetics of Au (III)
- Adsorption was accompanied by reduction of Au (III) to Au (0)

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