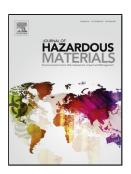
### Accepted Manuscript

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### ACCEPTED MANUSCRIPT

# Multi-functional Magnetic Water Purifier for Disinfection and Removal of Dyes and Metal Ions with Superior Reusability

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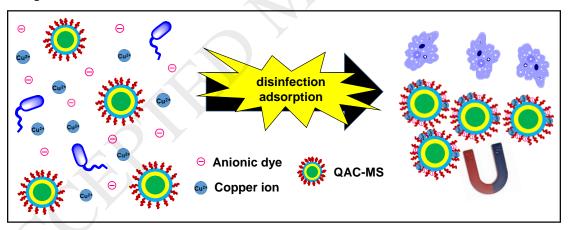
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#### **Graphical abstract**

#### Highlights

- We fabricated a purifier to remove metal ions, bacteria and dyes simultaneously.
- The purifier has a magnetic silica core and a polymer quaternary ammonium corona.
- The sample exhibited excellent water purification properties and reusability.

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