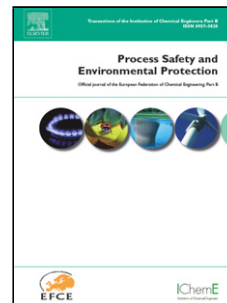


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## Highlights for

### Removal of Pb (II) ions using polymer based graphene oxide magnetic nano-sorbent

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- Polymer based graphene oxide magnetic nano-sorbent was self-assembled
- Adsorption capacity was found to be 73.52 mg g<sup>-1</sup> with a removal of 93.78% at pH 6
- Mechanism of adsorption was found to be of electrostatic attraction and chelation
- Regeneration and re-use of the nano-sorbent was carried for 4 consecutive cycles

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