

Supporting Information

Rapid Adsorption Removal of Arsenate by Hydrous Cerium Oxide-Graphene Composite

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4 pages, 3 figures and 2 tables

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Table S1 Specific information for the Singapore reservoir water samples.

Parameter	Value
Sampling point	Reservoir water
pH	7.25
Dissolved Oxygen (mg L ⁻¹)	9.79
Conductivity (μS/cm)	269
TOC (mg L ⁻¹)	4.105

Table S2 Atomic ratios in the adsorbents from XPS study.

Atomic ratio (%)	Ce	O	As
Virgin adsorbent	22.48	77.52	0
As-loaded adsorbent	31.65	65.40	2.95

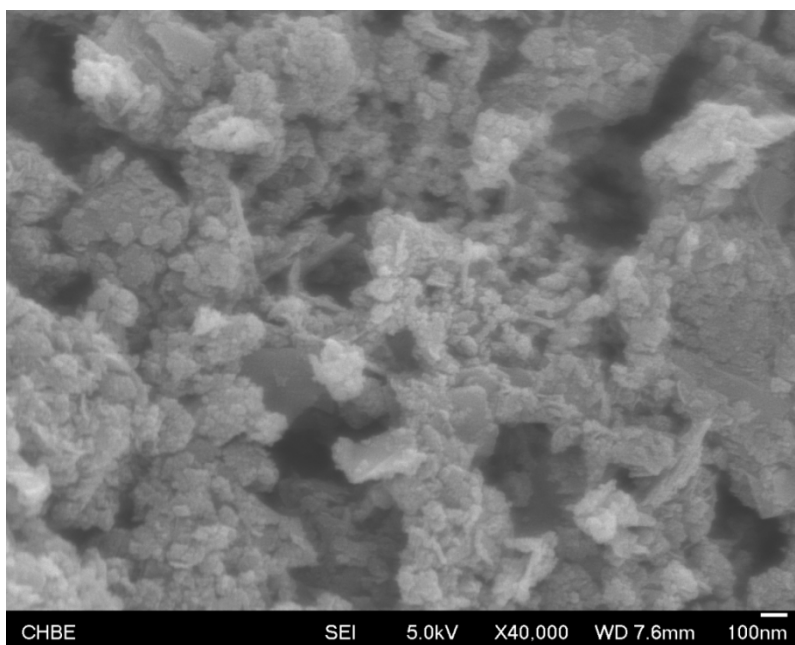
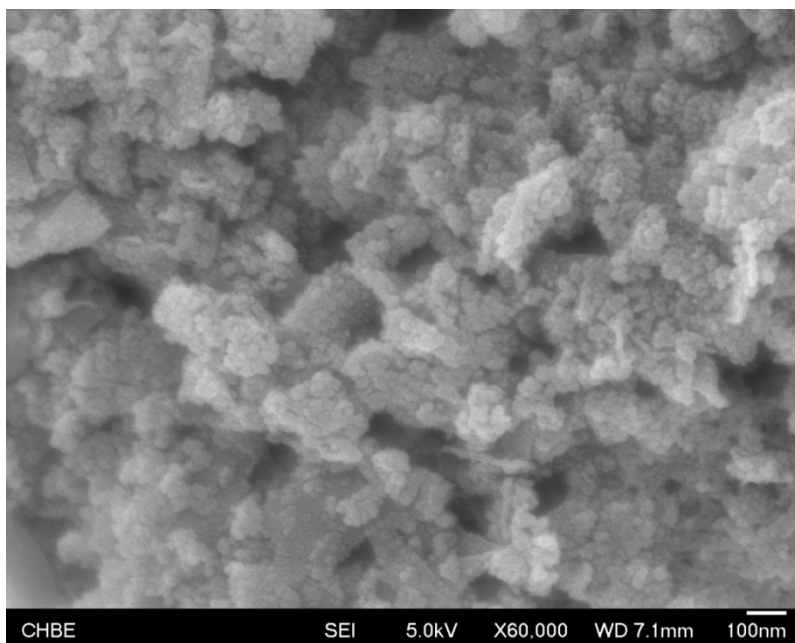


Fig. S1 FESEM images of the GNP-HCO adsorbent.

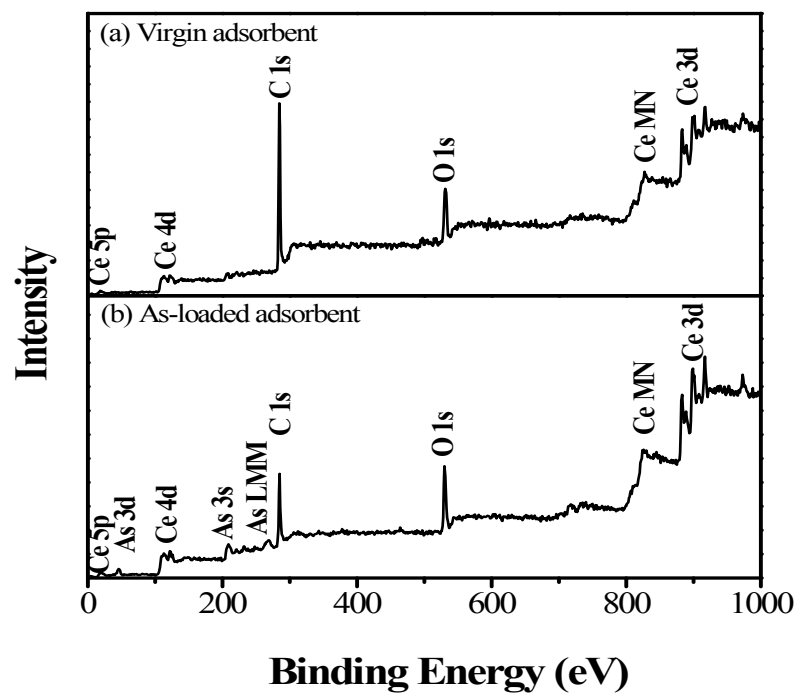


Fig. S2 XPS wide scan spectra of adsorbents: (a) virgin adsorbent; (b) As-loaded adsorbent.

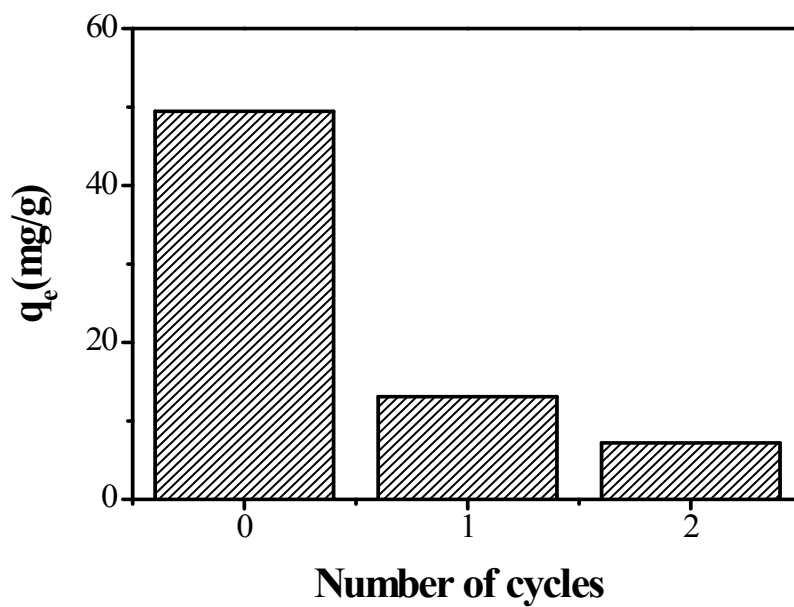


Fig. S3 Regeneration study of the spent adsorbent.