

# Mobilization of arsenic and iron from Red River floodplains

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Transformation of arsenic in offshore sediment under the impact of anaerobic microbial activities. <i>Water Research</i> , 2011, 45, 6781-6788.	5.3	67
4	Arsenic release from flooded paddy soils is influenced by speciation, Eh, pH, and iron dissolution. <i>Chemosphere</i> , 2011, 83, 925-932.	4.2	269
5	Arsenic associations in sediments from shallow aquifers of northwestern Hetao Basin, Inner Mongolia. <i>Environmental Earth Sciences</i> , 2011, 64, 2001-2011.	1.3	34
6	Adsorption behavior of arsenic relating to different natural solids: Soils, stream sediments and peats. <i>Science of the Total Environment</i> , 2012, 433, 456-461.	3.9	37
7	A novel two-step coprecipitation process using Fe(III) and Al(III) for the removal and immobilization of arsenate from acidic aqueous solution. <i>Water Research</i> , 2012, 46, 500-508.	5.3	57
8	Surface complexation modeling of groundwater arsenic mobility: Results of a forced gradient experiment in a Red River flood plain aquifer, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 98, 186-201.	1.6	52
9	Groundwater arsenic concentrations in Vietnam controlled by sediment age. <i>Nature Geoscience</i> , 2012, 5, 656-661.	5.4	159
10	Hydrogeochemical factors affecting the mobilization of As into the groundwater of the Brahmaputra alluvial plains of Assam, Northeast India. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1775.	1.7	8
11	Organic matter control on the reactivity of Fe(III)-oxyhydroxides and associated As in wetland soils: A kinetic modeling study. <i>Chemical Geology</i> , 2013, 335, 24-35.	1.4	46
12	Arsenic Mobility and Speciation in a Gleysol with Petrogleyic Properties: A Field and Laboratory Approach. <i>Journal of Environmental Quality</i> , 2013, 42, 1130-1141.	1.0	23
13	Reductive Reactivity of Iron(III) Oxides in the East China Sea Sediments: Characterization by Selective Extraction and Kinetic Dissolution. <i>PLoS ONE</i> , 2013, 8, e80367.	1.1	4
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15	Kinetic characterization on reductive reactivity of iron(III) oxides in surface sediments of the East China Sea and the influence of repeated redox cycles: Implications for microbial iron reduction. <i>Applied Geochemistry</i> , 2014, 42, 16-26.	1.4	14
16	Human exposure to arsenic from drinking water in Vietnam. <i>Science of the Total Environment</i> , 2014, 488-489, 562-569.	3.9	61
17	Arsenic in the Multi-aquifer System of the Mekong Delta, Vietnam: Analysis of Large-Scale Spatial Trends and Controlling Factors. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6081-6088.	4.6	25
18	Adsorption and desorption of arsenic to aquifer sediment on the Red River floodplain at Nam Du, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 587-600.	1.6	74
19	Biodegradable Organic Carbon in Sediments of an Arsenic-Contaminated Aquifer in Bangladesh. <i>Environmental Science and Technology Letters</i> , 2014, 1, 221-225.	3.9	66
20	Phytocapping: An Alternative Technology for the Sustainable Management of Landfill Sites. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 561-637.	6.6	50

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21	Arsenic mobilization in the Brahmaputra plains of Assam: groundwater and sedimentary controls. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 6805-6820.	1.3	21
22	Review of arsenic contamination, exposure through water and food and low cost mitigation options for rural areas. <i>Applied Geochemistry</i> , 2014, 41, 11-33.	1.4	160
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26	Exploratory experiments to determine the effect of alternative operations on the efficiency of subsurface arsenic removal in rural Bangladesh. <i>Hydrogeology Journal</i> , 2015, 23, 19-34.	0.9	11
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28	Reactivity and speciation of mineral-associated arsenic in seasonal and permanent wetlands of the Mekong Delta. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 171, 143-155.	1.6	47
29	Delineating the Convergence of Biogeochemical Factors Responsible for Arsenic Release to Groundwater in South and Southeast Asia. <i>Advances in Agronomy</i> , 2016, 140, 43-74.	2.4	14
30	Arsenic mobilization from sediments in microcosms under sulfate reduction. <i>Chemosphere</i> , 2016, 153, 254-261.	4.2	86
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32	A model for the evolution in water chemistry of an arsenic contaminated aquifer over the last 6000 years, Red River floodplain, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 195, 277-292.	1.6	75
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34	In Situ Magnetite Formation and Long-Term Arsenic Immobilization under Advective Flow Conditions. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10162-10171.	4.6	38
35	Effect of hydroquinone-induced iron reduction on the stability of scorodite and arsenic mobilization. <i>Hydrometallurgy</i> , 2016, 164, 228-237.	1.8	33
36	Arsenic release metabolically limited to permanently water-saturated soil in Mekong Delta. <i>Nature Geoscience</i> , 2016, 9, 70-76.	5.4	152
37	Effect of oxalic acid treatment on sediment arsenic concentrations and lability under reducing conditions. <i>Journal of Hazardous Materials</i> , 2016, 311, 125-133.	6.5	24
38	Effects of microbially induced transformations and shift in bacterial community on arsenic mobility in arsenic-rich deep aquifer sediments. <i>Journal of Hazardous Materials</i> , 2016, 310, 11-19.	6.5	32

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39	Natural attenuation processes of arsenic in the groundwater of the Brahmaputra floodplain of Assam, India. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 115-125.	1.7	7
40	Reversible adsorption and flushing of arsenic in a shallow, Holocene aquifer of Bangladesh. <i>Applied Geochemistry</i> , 2017, 77, 142-157.	1.4	41
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45	Remediation of arsenic-contaminated groundwater by in-situ stimulating biogenic precipitation of iron sulfides. <i>Water Research</i> , 2017, 109, 337-346.	5.3	50
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49	Simultaneous influence of indigenous microorganism along with abiotic factors controlling arsenic mobilization in Brahmaputra floodplain, India. <i>Journal of Contaminant Hydrology</i> , 2018, 213, 1-14.	1.6	34
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56	Effect of microbially mediated iron mineral transformation on temporal variation of arsenic in the Pleistocene aquifers of the central Yangtze River basin. <i>Science of the Total Environment</i> , 2018, 619-620, 1247-1258.	3.9	65

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58	Insights into arsenic retention dynamics of Pleistocene aquifer sediments by in situ sorption experiments. <i>Water Research</i> , 2018, 129, 123-132.	5.3	18
59	Spatial Variability of Groundwater Arsenic Concentration as Controlled by Hydrogeology: Conceptual Analysis Using 2D Reactive Transport Modeling. <i>Water Resources Research</i> , 2018, 54, 10254-10269.	1.7	21
61	Tolerance Mechanisms of Rice to Arsenic Stress. <i>Soil Biology</i> , 2018, , 215-227.	0.6	0
62	The fate of arsenic in groundwater discharged to the Meghna River, Bangladesh. <i>Environmental Chemistry</i> , 2018, 15, 29.	0.7	17
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77	Remarks on the current quality of groundwater in Vietnam. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1163-1169.	2.7	46
78	Microscale distribution of trace elements: a methodology for accessing major bearing phases in stream sediments as applied to the Loire basin (France). <i>Journal of Soils and Sediments</i> , 2020, 20, 498-512.	1.5	2
79	Hydrogeochemical evolution of shallow and deeper aquifers in central Bangladesh: arsenic mobilization process and health risk implications from the potable use of groundwater. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	42
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81	Geochemical transformations beneath man-made ponds: Implications for arsenic mobilization in South Asian aquifers. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 288, 262-281.	1.6	9
82	Experiment-based geochemical modeling of Arsenic(V) and Arsenic(III) adsorption onto aquifer sediments from an inland basin. <i>Journal of Hydrology</i> , 2020, 588, 125094.	2.3	18
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109	Abundant Fe(III) Oxide-bound Arsenic and Depleted Mn Oxides Facilitate Arsenic Enrichment in Groundwater From a Sand-gravel Confined Aquifer. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	4
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