

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. Water Research, 2011, 45, 6781-6788.	11.3	67
4	Arsenic release from flooded paddy soils is influenced by speciation, Eh, pH, and iron dissolution. Chemosphere, 2011, 83, 925-932.	8.2	269
5	Arsenic associations in sediments from shallow aquifers of northwestern Hetao Basin, Inner Mongolia. Environmental Earth Sciences, 2011, 64, 2001-2011.	2.7	34
6	Adsorption behavior of arsenic relating to different natural solids: Soils, stream sediments and peats. Science of the Total Environment, 2012, 433, 456-461.	8.0	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. Water Research, 2012, 46, 500-508.	11.3	57
8	Surface complexation modeling of groundwater arsenic mobility: Results of a forced gradient experiment in a Red River flood plain aquifer, Vietnam. Geochimica Et Cosmochimica Acta, 2012, 98, 186-201.	3.9	52
9	Groundwater arsenic concentrations in Vietnam controlled by sediment age. Nature Geoscience, 2012, 5, 656-661.	12.9	159
10	Hydrogeochemical factors affecting the mobilization of As into the groundwater of the Brahmaputra alluvial plains of Assam, Northeast India. Environmental Sciences: Processes and Impacts, 2013, 15, 1775.	3.5	8
11	Organic matter control on the reactivity of Fe(III)-oxyhydroxides and associated As in wetland soils: A kinetic modeling study. Chemical Geology, 2013, 335, 24-35.	3.3	46
12	Arsenic Mobility and Speciation in a Gleysol with Petrogleyic Properties: A Field and Laboratory Approach. Journal of Environmental Quality, 2013, 42, 1130-1141.	2.0	23
13	Reductive Reactivity of Iron(III) Oxides in the East China Sea Sediments: Characterization by Selective Extraction and Kinetic Dissolution. PLoS ONE, 2013, 8, e80367.	2.5	4
14	Role of competing ions in the mobilization of arsenic in groundwater of Bengal Basin: Insight from surface complexation modeling. Water Research, 2014, 55, 30-39.	11.3	110
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16	Human exposure to arsenic from drinking water in Vietnam. Science of the Total Environment, 2014, 488-489, 562-569.	8.0	61
17	Arsenic in the Multi-aquifer System of the Mekong Delta, Vietnam: Analysis of Large-Scale Spatial Trends and Controlling Factors. Environmental Science & Technology, 2014, 48, 6081-6088.	10.0	25
18	Adsorption and desorption of arsenic to aquifer sediment on the Red River floodplain at Nam Du, Vietnam. Geochimica Et Cosmochimica Acta, 2014, 142, 587-600.	3.9	74
19	Biodegradable Organic Carbon in Sediments of an Arsenic-Contaminated Aquifer in Bangladesh. Environmental Science and Technology Letters, 2014, 1, 221-225.	8.7	66
20	Phytocapping: An Alternative Technology for the Sustainable Management of Landfill Sites. Critical Reviews in Environmental Science and Technology, 2014, 44, 561-637.	12.8	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.	2.7	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.	3.0	160
23	Phosphorus and arsenic distributions in a seasonally stratified, iron- and manganese-rich lake: microbiological and geochemical controls. <i>Environmental Chemistry</i> , 2015, 12, 708.	1.5	14
24	Quality and hydrochemistry of groundwater used for drinking in Lahore, Pakistan: analysis of source and distributed groundwater. <i>Environmental Earth Sciences</i> , 2015, 74, 4281-4294.	2.7	29
25	Effect of irrigation on Fe(III)â€“SO <sub>4</sub> <sup>2-</sup> redox cycling and arsenic mobilization in shallow groundwater from the Datong basin, China: Evidence from hydrochemical monitoring and modeling. <i>Journal of Hydrology</i> , 2015, 523, 128-138.	5.4	48
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.	2.1	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.	3.9	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.	5.2	14
30	Arsenic mobilization from sediments in microcosms under sulfate reduction. <i>Chemosphere</i> , 2016, 153, 254-261.	8.2	86
31	Vulnerability of low-arsenic aquifers to municipal pumping in Bangladesh. <i>Journal of Hydrology</i> , 2016, 539, 674-686.	5.4	54
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.	3.9	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.	10.0	38
35	Effect of hydroquinone-induced iron reduction on the stability of scorodite and arsenic mobilization. <i>Hydrometallurgy</i> , 2016, 164, 228-237.	4.3	33
36	Arsenic release metabolically limited to permanently water-saturated soil in Mekong Delta. <i>Nature Geoscience</i> , 2016, 9, 70-76.	12.9	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.	12.4	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.	12.4	32

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40	Reversible adsorption and flushing of arsenic in a shallow, Holocene aquifer of Bangladesh. <i>Applied Geochemistry</i> , 2017, 77, 142-157.	3.0	41
41	Origin and availability of organic matter leading to arsenic mobilisation in aquifers of the Red River Delta, Vietnam. <i>Applied Geochemistry</i> , 2017, 77, 184-193.	3.0	42
42	Reactive Transport Modeling of Arsenic Mobilization in Groundwater of the Red River Floodplain, Vietnam. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 85-87.	0.6	6
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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.	11.3	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.	3.3	34
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52	Arsenic in Holocene aquifers of the Red River floodplain, Vietnam: Effects of sediment-water interactions, sediment burial age and groundwater residence time. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 225, 192-209.	3.9	53
53	Partitioning and reactivity of iron oxide minerals in aquifer sediments hosting high arsenic groundwater from the Hetao basin, P. R. China. <i>Applied Geochemistry</i> , 2018, 89, 190-201.	3.0	28
54	Redox buffering and de-coupling of arsenic and iron in reducing aquifers across the Red River Delta, Vietnam, and conceptual model of de-coupling processes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15954-15961.	5.3	16
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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.	11.3	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.	4.2	21
61	Tolerance Mechanisms of Rice to Arsenic Stress. <i>Soil Biology</i> , 2018, , 215-227.	0.8	0
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80	Aquifer-Scale Observations of Iron Redox Transformations in Arsenic-Impacted Environments to Predict Future Contamination. <i>Environmental Science and Technology Letters</i> , 2020, 7, 916-922.	8.7	19
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.	3.9	9
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83	Immobilization and release risk of arsenic associated with partitioning and reactivity of iron oxide minerals in paddy soils. <i>Environmental Science and Pollution Research</i> , 2020, 27, 36377-36390.	5.3	5
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