

Predicting groundwater arsenic contamination in South

Nature Geoscience

1, 536-542

DOI: [10.1038/ngeo254](https://doi.org/10.1038/ngeo254)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Arsenic meets dense populations. <i>Nature Geoscience</i> , 2008, 1, 494-496.	12.9	8
2	Palaeo-hydrogeological control on groundwater As levels in Red River delta, Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 3116-3126.	3.0	36
3	Hydrogeological survey assessing arsenic and other groundwater contaminants in the lowlands of Sumatra, Indonesia. <i>Applied Geochemistry</i> , 2008, 23, 3019-3028.	3.0	49
4	Geochemical processes underlying a sharp contrast in groundwater arsenic concentrations in a village on the Red River delta, Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 3143-3154.	3.0	107
5	Arsenic in Groundwaters of South-East Asia: With Emphasis on Cambodia and Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 2968-2976.	3.0	38
6	Modelling arsenic hazard in Cambodia: A geostatistical approach using ancillary data. <i>Applied Geochemistry</i> , 2008, 23, 3010-3018.	3.0	53
7	Conservative behavior of arsenic and other oxyanion-forming trace elements in an oxic groundwater flow system. <i>Journal of Hydrology</i> , 2009, 378, 13-28.	5.4	50
8	Geological controls on groundwater chemistry and arsenic mobilization: Hydrogeochemical study along an E-W transect in the Meghna basin, Bangladesh. <i>Journal of Hydrology</i> , 2009, 378, 105-118.	5.4	43
9	Determining the Probability of Arsenic in Groundwater Using a Parsimonious Model. <i>Environmental Science & Technology</i> , 2009, 43, 6662-6668.	10.0	20
10	Impact of sulfate reduction on the scale of arsenic contamination in groundwater of the Mekong, Bengal and Red River deltas. <i>Applied Geochemistry</i> , 2009, 24, 1278-1286.	3.0	110
11	Factors affecting metal exchange between sediment and water in an estuarine reservoir: A spatial and seasonal observation. <i>Journal of Environmental Monitoring</i> , 2009, 11, 2058.	2.1	9
12	Integrating collocated auxiliary parameters in geostatistical simulations using joint probability distributions and probability aggregation. <i>Water Resources Research</i> , 2009, 45, .	4.2	24
13	Arsenic in South Asia Groundwater. <i>Geography Compass</i> , 2010, 4, 1532-1552.	2.7	24
14	Assessing the cancer risk associated with arsenic-contaminated seafood. <i>Journal of Hazardous Materials</i> , 2010, 181, 161-169.	12.4	34
15	Digging deeper. <i>Nature Geoscience</i> , 2010, 3, 1-1.	12.9	0
16	Arsenic contamination of groundwater in the Kathmandu Valley, Nepal, as a consequence of rapid erosion. <i>Journal of Nepal Geological Society</i> , 2010, 40, 49-60.	0.2	5
17	Multi-tiered distributions of arsenic in iron nanoparticles: Observation of dual redox functionality enabled by a core-shell structure. <i>Chemical Communications</i> , 2010, 46, 6995.	4.1	61
18	Global Water Pollution and Human Health. <i>Annual Review of Environment and Resources</i> , 2010, 35, 109-136.	13.4	1,381

#	ARTICLE	IF	CITATIONS
19	Geochemical changes in individual sediment grains during sequential arsenic extractions. <i>Water Research</i> , 2010, 44, 5545-5555.	11.3	26
20	Spatial and Temporal Variations of Groundwater Arsenic in South and Southeast Asia. <i>Science</i> , 2010, 328, 1123-1127.	12.6	972
21	Exposure to multiple metals from groundwater—a global crisis: Geology, climate change, health effects, testing, and mitigation. <i>Metallomics</i> , 2011, 3, 874.	2.4	65
22	Modeling Arsenic Accumulation in Plants. , 2011, , .		2
23	Arsenic pollution of groundwater in Vietnam exacerbated by deep aquifer exploitation for more than a century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1246-1251.	7.1	247
24	Water and Sanitation in Developing Countries: Geochemical Aspects of Quality and Treatment. <i>Elements</i> , 2011, 7, 163-168.	0.5	20
25	Geochemistry and arsenic behaviour in groundwater resources of the Pannonian Basin (Hungary and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.0	108
26	Effects of human-induced alteration of groundwater flow on concentrations of naturally-occurring trace elements at water-supply wells. <i>Applied Geochemistry</i> , 2011, 26, 747-762.	3.0	81
27	Reactivity at (nano)particle-water interfaces, redox processes, and arsenic transport in the environment. <i>Comptes Rendus - Geoscience</i> , 2011, 343, 123-139.	1.2	58
28	Arsenic and other heavy metals in the Sunkoshi and Saptakoshi Rivers, eastern Nepal. <i>Journal of Nepal Geological Society</i> , 2011, 43, 241-254.	0.2	1
29	Quantitative Links Between Arsenic Exposure and Influenza A (H1N1) Infection—Associated Lung Function Exacerbations Risk. <i>Risk Analysis</i> , 2011, 31, 1281-1294.	2.7	15
30	Implications of rainfall variability for seasonality and climate-induced risks concerning surface water quality in East Asia. <i>Journal of Hydrology</i> , 2011, 400, 323-332.	5.4	41
31	High levels of inorganic arsenic in rice in areas where arsenic-contaminated water is used for irrigation and cooking. <i>Science of the Total Environment</i> , 2011, 409, 4645-4655.	8.0	196
32	Al nanoclusters in coagulants and granulates: application in arsenic removal from water. <i>Reviews in Environmental Science and Biotechnology</i> , 2011, 10, 111-117.	8.1	12
33	Can Arsenic Occurrence Rates in Bedrock Aquifers Be Predicted?. <i>Environmental Science & Technology</i> , 2012, 46, 2080-2087.	10.0	43
34	Geochemical mapping using stream sediments in west-central Nigeria: Implications for environmental studies and mineral exploration in West Africa. <i>Applied Geochemistry</i> , 2012, 27, 1035-1052.	3.0	48
35	Modeling simultaneous exceedance of drinking-water standards of arsenic and nitrate in the Southern Ogallala aquifer using multinomial logistic regression. <i>Journal of Hydrology</i> , 2012, 458-459, 16-27.	5.4	19
36	Environmental Selenium Research: From Microscopic Processes to Global Understanding. <i>Environmental Science & Technology</i> , 2012, 46, 571-579.	10.0	348

#	ARTICLE	IF	CITATIONS
37	Adsorption of Arsenic on Polyaluminum Granulate. <i>Environmental Science & Technology</i> , 2012, 46, 7310-7317.	10.0	48
38	Arsenic & Rice. , 2012, , .		92
39	Carbon, Metals, and Grain Size Correlate with Bacterial Community Structure in Sediments of a High Arsenic Aquifer. <i>Frontiers in Microbiology</i> , 2012, 3, 82.	3.5	27
40	Predicting the risk of arsenic contaminated groundwater in Shanxi Province, Northern China. <i>Environmental Pollution</i> , 2012, 165, 118-123.	7.5	40
41	As(V) removal from aqueous media using γ -MnO ₂ nanorods-impregnated laterite composite adsorbents. <i>Materials Research Bulletin</i> , 2012, 47, 42-50.	5.2	28
42	An approach for mapping the vulnerability of European Union soils to antibiotic contamination. <i>Science of the Total Environment</i> , 2012, 414, 672-679.	8.0	91
43	The palaeosol model of arsenic pollution of groundwater tested along a 32km traverse across West Bengal, India. <i>Science of the Total Environment</i> , 2012, 431, 157-165.	8.0	41
44	Arsenic mobilization and speciation during iron plaque decomposition in a paddy soil. <i>Journal of Soils and Sediments</i> , 2012, 12, 402-410.	3.0	28
45	A Comparison of Data-Driven Groundwater Vulnerability Assessment Methods. <i>Ground Water</i> , 2013, 51, 866-879.	1.3	28
46	Predicting natural arsenic contamination of bedrock groundwater for a local region in Korea and its application. <i>Environmental Earth Sciences</i> , 2013, 68, 2123-2132.	2.7	10
47	Groundwater Arsenic Contamination Throughout China. <i>Science</i> , 2013, 341, 866-868.	12.6	731
48	Hair arsenic levels and prevalence of arsenicosis in three Cambodian provinces. <i>Science of the Total Environment</i> , 2013, 463-464, 1210-1216.	8.0	26
49	Arsenic, fluoride and iodine in groundwater of China. <i>Journal of Geochemical Exploration</i> , 2013, 135, 1-21.	3.2	200
50	The impact of oscillating redox conditions: Arsenic immobilisation in contaminated calcareous floodplain soils. <i>Environmental Pollution</i> , 2013, 178, 254-263.	7.5	73
51	Coupling predicted model of arsenic in groundwater with endemic arsenism occurrence in Shanxi Province, Northern China. <i>Journal of Hazardous Materials</i> , 2013, 262, 1147-1153.	12.4	25
52	A review of arsenic presence in China drinking water. <i>Journal of Hydrology</i> , 2013, 492, 79-88.	5.4	144
53	Regional estimation of groundwater arsenic concentrations through systematical dynamic-neural modeling. <i>Journal of Hydrology</i> , 2013, 499, 265-274.	5.4	35
54	Arsenite adsorption on cryogels embedded with iron-aluminium double hydrous oxides: Possible polishing step for smelting wastewater?. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 469-476.	12.4	25

#	ARTICLE	IF	CITATIONS
55	Speciation of arsenic in Greek travertines: Co-precipitation of arsenate with calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 99-110.	3.9	58
56	Hillslopes Record the Growth and Decay of Landscapes. <i>Science</i> , 2013, 341, 868-871.	12.6	62
57	Toxicity of arsenic (As) on seed germination of sunflower (<i>Helianthus annuus</i> L.). <i>International Journal of Physical Sciences</i> , 2013, 8, 840-847.	0.4	33
58	Arsenic mobility and toxicity in South and South-east Asia – a review on biogeochemistry, health and socio-economic effects, remediation and risk predictions. <i>Environmental Chemistry</i> , 2014, 11, 483.	1.5	34
59	Impact of sedimentary provenance and weathering on arsenic distribution in aquifers of the Datong basin, China: Constraints from elemental geochemistry. <i>Journal of Hydrology</i> , 2014, 519, 3541-3549.	5.4	36
60	Improved groundwater geogenic arsenic hazard map for Cambodia. <i>Environmental Chemistry</i> , 2014, 11, 595.	1.5	24
61	A review on sources, toxicity and remediation technologies for removing arsenic from drinking water. <i>Research on Chemical Intermediates</i> , 2014, 40, 447-485.	2.7	189
62	Natural wetland emissions of methylated trace elements. <i>Nature Communications</i> , 2014, 5, 3035.	12.8	69
63	Confirmation of elevated arsenic levels in groundwater of Myanmar. <i>Science of the Total Environment</i> , 2014, 478, 21-24.	8.0	39
64	Multivariate analysis of the heterogeneous geochemical processes controlling arsenic enrichment in a shallow groundwater system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 478-489.	1.7	5
65	Arsenic in the Multi-aquifer System of the Mekong Delta, Vietnam: Analysis of Large-Scale Spatial Trends and Controlling Factors. <i>Environmental Science & Technology</i> , 2014, 48, 6081-6088.	10.0	25
66	Factors affecting arsenic and uranium removal with zero-valent iron: laboratory tests with Kanchan-type iron nail filter columns with different groundwaters. <i>Environmental Chemistry</i> , 2014, 11, 547.	1.5	22
67	Predicting Geogenic Arsenic Contamination in Shallow Groundwater of South Louisiana, United States. <i>Environmental Science & Technology</i> , 2014, 48, 5660-5666.	10.0	43
68	A review of high arsenic groundwater in Mainland and Taiwan, China: Distribution, characteristics and geochemical processes. <i>Applied Geochemistry</i> , 2014, 41, 196-217.	3.0	285
69	Shallow hydrostratigraphy in an arsenic affected region of Bengal Basin: Implication for targeting safe aquifers for drinking water supply. <i>Science of the Total Environment</i> , 2014, 485-486, 12-22.	8.0	49
70	Î ³ -Al ₂ O ₃ -based nanocomposite adsorbents for arsenic(V) removal: Assessing performance, toxicity and particle leakage. <i>Science of the Total Environment</i> , 2014, 473-474, 207-214.	8.0	32
72	Geogenic contamination of groundwater in shallow aquifers in Ibadan, south-west Nigeria. <i>Management of Environmental Quality</i> , 2015, 26, 327-341.	4.3	4
73	Physico-chemical characteristics and quality of feed waters of the El-Oued city study of case (fluorine and arsenic). <i>Journal of Fundamental and Applied Sciences</i> , 2015, 1, 13.	0.2	0

#	ARTICLE	IF	CITATIONS
74	Arsenic Contamination in Groundwater in the Middle Gangetic Plain, India: Its Relations to Fluvial Geomorphology and Quaternary Stratigraphy. , 2015, , 33-53.		2
75	Status of groundwater arsenic pollution of Mirzapur district in Holocene aquifers from parts of the Middle Ganga Plain, India. Environmental Earth Sciences, 2015, 73, 1505-1514.	2.7	10
76	Multiple inorganic toxic substances contaminating the groundwater of Myingyan Township, Myanmar: Arsenic, manganese, fluoride, iron, and uranium. Science of the Total Environment, 2015, 517, 232-245.	8.0	96
77	Intrinsic properties of cupric oxide nanoparticles enable effective filtration of arsenic from water. Scientific Reports, 2015, 5, 11110.	3.3	44
78	Removal of arsenic from groundwater in West Bengal, India using CuO nanoparticle adsorbent. Environmental Earth Sciences, 2015, 73, 3593-3601.	2.7	15
79	Predicting Redox Conditions in Groundwater at a Regional Scale. Environmental Science & Technology, 2015, 49, 9657-9664.	10.0	46
80	The Geogenic Contamination Handbook: Addressing arsenic and fluoride in drinking water. Applied Geochemistry, 2015, 63, 642-646.	3.0	42
81	Mapping human health risks from exposure to trace metal contamination of drinking water sources in Pakistan. Science of the Total Environment, 2015, 538, 306-316.	8.0	87
82	Geostatistical modelling of arsenic in drinking water wells and related toenail arsenic concentrations across Nova Scotia, Canada. Science of the Total Environment, 2015, 505, 1248-1258.	8.0	50
83	Mapping composite vulnerability to groundwater arsenic contamination: an analytical framework and a case study in India. Natural Hazards, 2015, 75, 1883-1908.	3.4	34
84	A meta-analysis and statistical modelling of nitrates in groundwater at the African scale. Hydrology and Earth System Sciences, 2016, 20, 2353-2381.	4.9	20
85	Delineating the Convergence of Biogeochemical Factors Responsible for Arsenic Release to Groundwater in South and Southeast Asia. Advances in Agronomy, 2016, 140, 43-74.	5.2	14
86	Chapter 12 Adsorptive Removal of Arsenic from Water Sources Using Novel Nanocomposite Mixed Matrix Membranes. Advances in Industrial and Hazardous Wastes Treatment Series, 2016, , 413-438.	0.0	0
87	Statistical geospatial modelling of arsenic concentration in Vaishali District of Bihar, India. Sustainable Water Resources Management, 2016, 2, 285-295.	2.1	9
88	Concentrations of inorganic arsenic in groundwater, agricultural soils and subsurface sediments from the middle Gangetic plain of Bihar, India. Science of the Total Environment, 2016, 573, 1103-1114.	8.0	54
89	Tuning Gold Nanoparticle Aggregation through the Inhibition of Acid Phosphatase Bioactivity: A Plasmonic Sensor for Lightâ€up Visual Detection of Arsenate (As^V). ChemPlusChem, 2016, 81, 1147-1151.	2.8	15
90	Low-level environmental arsenic exposure correlates with unexplained male infertility risk. Science of the Total Environment, 2016, 571, 307-313.	8.0	52
91	Groundwater quality and depletion in the Indo-Gangetic Basin mapped from in-situ observations. Nature Geoscience, 2016, 9, 762-766.	12.9	341

#	ARTICLE	IF	CITATIONS
92	Evaluating Hydrogeological and Topographic Controls on Groundwater Arsenic Contamination in the Middle-Ganga Plain in India: Towards Developing Sustainable Arsenic Mitigation Models. , 2016, , 263-287.		8
94	Interactions of Water Quality and Integrated Groundwater Management: Examples from the United States and Europe. , 2016, , 347-376.		2
95	Amorphous nanosized Al–Ti–Mn trimetal hydrous oxides: synthesis, characterization and enhanced performance in arsenic removal. RSC Advances, 2016, 6, 100732-100742.	3.6	23
96	Origin of Hexavalent Chromium in Drinking Water Wells from the Piedmont Aquifers of North Carolina. Environmental Science and Technology Letters, 2016, 3, 409-414.	8.7	87
97	Discrete Choice Experiments in Developing Countries: Willingness to Pay Versus Willingness to Work. Environmental and Resource Economics, 2016, 65, 697-721.	3.2	57
98	Development of enhanced groundwater arsenic prediction model using machine learning approaches in Southeast Asian countries. Desalination and Water Treatment, 2016, 57, 12227-12236.	1.0	26
99	Tracing organic matter composition and distribution and its role on arsenic release in shallow Cambodian groundwaters. Geochimica Et Cosmochimica Acta, 2016, 178, 160-177.	3.9	90
100	Groundwater arsenic contamination in Burkina Faso, West Africa: Predicting and verifying regions at risk. Science of the Total Environment, 2017, 584-585, 958-970.	8.0	86
101	Arsenic in Bangladeshi soils related to physiographic region, paddy management, and micro- and macro-elemental status. Science of the Total Environment, 2017, 590-591, 406-415.	8.0	26
102	Hydrochemical assessment of freshening saline groundwater using multiple end-members mixing modeling: A study of Red River delta aquifer, Vietnam. Journal of Hydrology, 2017, 549, 703-714.	5.4	37
103	Multi-scale Factors and Processes Controlling Selenium Distributions in Soils. Plant Ecophysiology, 2017, , 3-20.	1.5	5
104	Integration of aquifer geology, groundwater flow and arsenic distribution in deltaic aquifers - A unifying concept. Hydrological Processes, 2017, 31, 2095-2109.	2.6	47
105	Arsenic Removal from Drinking Water: Experiences with Technologies and Constraints in Practice. Journal of Environmental Engineering, ASCE, 2017, 143, .	1.4	74
106	Arsenic contamination of drinking water in Ireland: A spatial analysis of occurrence and potential risk. Science of the Total Environment, 2017, 579, 1863-1875.	8.0	57
107	Microband Sensor for As(III) Analysis: Reduced Matrix Interference. Electroanalysis, 2017, 29, 2332-2339.	2.9	3
108	Estimating the High-Arsenic Domestic-Well Population in the Conterminous United States. Environmental Science & Technology, 2017, 51, 12443-12454.	10.0	172
109	Extensive arsenic contamination in high-pH unconfined aquifers in the Indus Valley. Science Advances, 2017, 3, e1700935.	10.3	178
110	Electrical resistivity tomography determines the spatial distribution of clay layer thickness and aquifer vulnerability, Kandal Province, Cambodia. Journal of Asian Earth Sciences, 2017, 147, 402-414.	2.3	43

#	ARTICLE	IF	CITATIONS
111	Lessons Learned from Arsenic Mitigation among Private Well Households. Current Environmental Health Reports, 2017, 4, 373-382.	6.7	19
112	Arsenic, manganese and aluminum contamination in groundwater resources of Western Amazonia (Peru). Science of the Total Environment, 2017, 607-608, 1437-1450.	8.0	67
113	Distribution of groundwater arsenic in Xinjiang, P.R. China. Applied Geochemistry, 2017, 77, 116-125.	3.0	35
114	Fifteen Years (1993â€“2007) of Surface Freshwater Storage Variability in the Ganges-Brahmaputra River Basin Using Multi-Satellite Observations. Water (Switzerland), 2017, 9, 245.	2.7	14
115	Hazard Ranking Method for Populations Exposed to Arsenic in Private Water Supplies: Relation to Bedrock Geology. International Journal of Environmental Research and Public Health, 2017, 14, 1490.	2.6	6
116	Predicting the risk of groundwater arsenic contamination in drinking water wells. Journal of Hydrology, 2018, 560, 318-325.	5.4	24
117	Changing recharge pathways within an intensively pumped aquifer with high fluoride concentrations in Central Mexico. Science of the Total Environment, 2018, 622-623, 1029-1045.	8.0	32
118	Characteristics of arsenic in humic substances extracted from natural organic sediments. Environmental Science and Pollution Research, 2018, 25, 15680-15691.	5.3	5
119	Physiographical variability in arsenic dynamics in Bangladeshi soils. Science of the Total Environment, 2018, 612, 1365-1372.	8.0	18
120	Facile electrochemical synthesis of nano iron porous coordination polymer using scrap iron for simultaneous and cost-effective removal of organic and inorganic arsenic. Chinese Chemical Letters, 2018, 29, 456-460.	9.0	22
121	Insights into arsenic retention dynamics of Pleistocene aquifer sediments by in situ sorption experiments. Water Research, 2018, 129, 123-132.	11.3	18
122	Arsenic in Groundwater in South West Ireland: Occurrence, Controls, and Hydrochemistry. Frontiers in Environmental Science, 2018, 6, .	3.3	6
123	Predicting geogenic Arsenic in Drinking Water Wells in Glacial Aquifers, Northâ€Central USA: Accounting for Depthâ€Dependent Features. Water Resources Research, 2018, 54, 10,172.	4.2	34
124	Deep oxidation and removal of arsenite in groundwater by rationally positioning oxidation and adsorption sites in binary Fe-Cu oxide/TiO ₂ . Chemical Engineering Journal, 2018, 354, 825-834.	12.7	42
125	Evaluating Geologic Sources of Arsenic in Well Water in Virginia (USA). International Journal of Environmental Research and Public Health, 2018, 15, 787.	2.6	8
126	The fate of arsenic in groundwater discharged to the Meghna River, Bangladesh. Environmental Chemistry, 2018, 15, 29.	1.5	17
127	Prediction Modeling and Mapping of Groundwater Fluoride Contamination throughout India. Environmental Science & Technology, 2018, 52, 9889-9898.	10.0	148
128	Reliable Predictors of Arsenic Occurrence in the Southern Gulf Coast Aquifer of Texas. Geosciences (Switzerland), 2018, 8, 155.	2.2	1

#	ARTICLE	IF	CITATIONS
129	Vertical Geochemical Variations and Speciation Studies of As, Fe, Mn, Zn, and Cu in the Sediments of the Central Gangetic Basin: Sequential Extraction and Statistical Approach. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 183.	2.6	4
130	Why and for Whom May Coping Planning Have Adverse Effects? A Moderated Mediation Analysis. <i>Applied Psychology: Health and Well-Being</i> , 2018, 10, 272-289.	3.0	4
131	Biogeochemical and reactive transport modeling of arsenic in groundwaters from the Mississippi River delta plain: An analog for the As-affected aquifers of South and Southeast Asia. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 245-272.	3.9	26
132	Sociohydrology: Scientific Challenges in Addressing the Sustainable Development Goals. <i>Water Resources Research</i> , 2019, 55, 6327-6355.	4.2	226
133	An assessment of P speciation and P:Ca proxy calibration in coral cores from Singapore and Bali. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 113-123.	3.9	10
134	XAFS analysis of Arsenic bound in holocellulose extracted from organic-rich contaminated sediments. <i>E3S Web of Conferences</i> , 2019, 98, 09010.	0.5	0
135	A hydrogeological and geochemical review of groundwater issues in southern Vietnam. <i>Geosciences Journal</i> , 2019, 23, 1005-1023.	1.2	16
136	Efficient removal of arsenic from groundwater using iron oxide nanoneedle array-decorated biochar fibers with high Fe utilization and fast adsorption kinetics. <i>Water Research</i> , 2019, 167, 115107.	11.3	142
137	Biochar and ash derived from silicon-rich rice husk decrease inorganic arsenic species in rice grain. <i>Science of the Total Environment</i> , 2019, 684, 360-370.	8.0	30
138	Arsenic and arsenic health effects. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
139	Peripheral neuropathy induced by drinking water contaminated with low-dose arsenic in Myanmar. <i>Environmental Health and Preventive Medicine</i> , 2019, 24, 23.	3.4	38
140	Predicting groundwater arsenic contamination: Regions at risk in highest populated state of India. <i>Water Research</i> , 2019, 159, 65-76.	11.3	83
141	Enhanced arsenite removal from water by radially porous Fe-chitosan beads: Adsorption and H ₂ O ₂ catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2019, 373, 97-105.	12.4	43
142	Immunohistochemical Mapping of Bcl9 Using Two Antibodies that Recognize Different Epitopes Is Useful to Characterize Juvenile Development of Hepatocellular Carcinoma in Myanmar. <i>Acta Histochemica Et Cytochemica</i> , 2019, 52, 9-17.	1.6	1
143	Pollution of Water Bodies in Latin America. , 2019, , .		2
144	Geographical variation of arsenic distribution in paddy soil, rice and rice-based products: A meta-analytic approach and implications to human health. <i>Journal of Environmental Management</i> , 2019, 233, 184-199.	7.8	56
145	Sedimentogenesis and hydrobiogeochemistry of high arsenic Late Pleistocene-Holocene aquifer systems. <i>Earth-Science Reviews</i> , 2019, 189, 79-98.	9.1	91
146	Arsenic Environmental Contamination Status in South Asia. , 2020, , 13-39.		25

#	ARTICLE	IF	CITATIONS
147	Arsenic influences spermatogenesis by disorganizing the elongation of spermatids in adult male mice. <i>Chemosphere</i> , 2020, 238, 124650.	8.2	26
148	Diversity and distribution of copepods (Class: Maxillopoda, Subclass: Copepoda) in groundwater habitats across South-East Asia. <i>Marine and Freshwater Research</i> , 2020, 71, 374.	1.3	1
149	Geostatistical model of the spatial distribution of arsenic in groundwaters in Gujarat State, India. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2649-2664.	3.4	26
150	Rising arsenic concentrations from dewatering a geothermally influenced aquifer in central Mexico. <i>Water Research</i> , 2020, 185, 116257.	11.3	49
151	Modeling regional-scale groundwater arsenic hazard in the transboundary Ganges River Delta, India and Bangladesh: Infusing physically-based model with machine learning. <i>Science of the Total Environment</i> , 2020, 748, 141107.	8.0	68
152	Evaluation of transgenerational effects caused by metals as environmental pollutants in <i>Daphnia magna</i> . <i>Environmental Monitoring and Assessment</i> , 2020, 192, 755.	2.7	5
153	A Probabilistic Model of Aquifer Susceptibility to Earthquake-Induced Groundwater-Level Changes. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 1046-1063.	2.3	6
154	Global threat of arsenic in groundwater. <i>Science</i> , 2020, 368, 845-850.	12.6	712
155	Global solutions to a silent poison. <i>Science</i> , 2020, 368, 818-819.	12.6	66
156	Enhanced arsenic depletion by rice plant from flooded paddy soil with soluble organic fertilizer application. <i>Chemosphere</i> , 2020, 252, 126521.	8.2	14
157	Impact of sedimentation history for As distribution in Late Pleistocene-Holocene sediments in the Hetao Basin, China. <i>Journal of Soils and Sediments</i> , 2020, 20, 4070-4082.	3.0	8
158	Arsenic sequestration in pyrite and greigite in the buried peat of As-contaminated aquifers. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 284, 107-119.	3.9	22
159	Machine Learning Models of Groundwater Arsenic Spatial Distribution in Bangladesh: Influence of Holocene Sediment Depositional History. <i>Environmental Science & Technology</i> , 2020, 54, 9454-9463.	10.0	51
160	Major and trace (including arsenic) groundwater chemistry in central and southern Myanmar. <i>Applied Geochemistry</i> , 2020, 115, 104535.	3.0	25
161	Spatial and temporal evolution of groundwater arsenic contamination in the Red River delta, Vietnam: Interplay of mobilisation and retardation processes. <i>Science of the Total Environment</i> , 2020, 717, 137143.	8.0	61
162	Recommended Sampling Intervals for Arsenic in Private Wells. <i>Ground Water</i> , 2021, 59, 80-89.	1.3	6
163	Arsenic contamination of groundwater: A global synopsis with focus on the Indian Peninsula. <i>Geoscience Frontiers</i> , 2021, 12, 101079.	8.4	459
164	Use of machine learning and deep learning methods in groundwater. , 2021, , 545-557.		10

#	ARTICLE	IF	CITATIONS
165	Inhibition of arsenic transport from soil to rice grain with a sustained field-scale aerobic rice cultural practice. <i>Journal of Environmental Management</i> , 2021, 279, 111620.	7.8	11
166	Occurrence, predictors and hazards of elevated groundwater arsenic across India through field observations and regional-scale AI-based modeling. <i>Science of the Total Environment</i> , 2021, 759, 143511.	8.0	61
167	Application of Artificial Intelligence in Predicting Groundwater Contaminants. , 2021, , 71-105.		3
168	Geospatial assessment of groundwater arsenic contamination in the Holocene aquifers of Bengal Delta from western parts of the Bhagirathi River in West Bengal, India. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	3
169	Distribution of Groundwater Arsenic in Uruguay Using Hybrid Machine Learning and Expert System Approaches. <i>Water (Switzerland)</i> , 2021, 13, 527.	2.7	10
170	Multi-aquifer susceptibility analyses for supporting groundwater management in urban areas. <i>Journal of Contaminant Hydrology</i> , 2021, 238, 103774.	3.3	6
171	Variability in groundwater flow and chemistry in the Mekong River alluvial aquifer (Thailand): implications for arsenic and manganese occurrence. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	4
172	Machine Learning Models of Arsenic in Private Wells Throughout the Conterminous United States As a Tool for Exposure Assessment in Human Health Studies. <i>Environmental Science & Technology</i> , 2021, 55, 5012-5023.	10.0	42
173	Pleistocene sands of the Mississippi River Alluvial Aquifer produce the highest groundwater arsenic concentrations in southern Louisiana, USA. <i>Journal of Hydrology</i> , 2021, 595, 125995.	5.4	7
174	Machine Learning Predicted Redox Conditions in the Glacial Aquifer System, Northern Continental United States. <i>Water Resources Research</i> , 2021, 57, e2020WR028207.	4.2	23
175	Risk based arsenic rational sampling design for public and environmental health management. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 211, 104274.	3.5	1
176	The interactive natural drivers of global geogenic arsenic contamination of groundwater. <i>Journal of Hydrology</i> , 2021, 597, 126214.	5.4	22
177	Sulfur amendments to soil decrease inorganic arsenic accumulation in rice grain under flooded and nonflooded conditions: Insights from temporal dynamics of porewater chemistry and solid-phase arsenic solubility. <i>Science of the Total Environment</i> , 2021, 779, 146352.	8.0	16
178	Evaluating the predictive power of different machine learning algorithms for groundwater salinity prediction of multi-layer coastal aquifers in the Mekong Delta, Vietnam. <i>Ecological Indicators</i> , 2021, 127, 107790.	6.3	49
179	Comparison of characteristics, water quality and health risk assessment of trace elements in surface water and groundwater in China. <i>Ecotoxicology and Environmental Safety</i> , 2021, 219, 112283.	6.0	68
180	Linking the Surface and Subsurface in River Deltas—Part 1: Relating Surface and Subsurface Geometries. <i>Water Resources Research</i> , 2021, 57, e2020WR029282.	4.2	12
181	Machine learning in natural and engineered water systems. <i>Water Research</i> , 2021, 205, 117666.	11.3	98
182	Remote sensing of wetland evolution in predicting shallow groundwater arsenic distribution in two typical inland basins. <i>Science of the Total Environment</i> , 2022, 806, 150496.	8.0	20

#	ARTICLE	IF	CITATIONS
183	Arsenic Contamination of Groundwater in Barak Valley, Assam, India: Topography-Based Analysis and Risk Assessment. , 2015, , 81-96.		2
185	Quantification of Methylated Selenium, Sulfur, and Arsenic in the Environment. PLoS ONE, 2014, 9, e102906.	2.5	28
187	Potential Sources of Ammonium-Nitrogen in the Coastal Groundwater Determined from a Combined Analysis of Nitrogen Isotope, Biological and Geological Parameters, and Land Use. Water (Switzerland), 2021, 13, 25.	2.7	19
188	Bioadsorbtion of Arsenic by Prepared and Commercial Crab Shell Chitosan. Biotechnology, 2008, 8, 160-165.	0.1	13
189	Analysis of Organic Matter, Iron and Manganese in Soil of Arsenic Affected Singair Area, Bangladesh. Research Journal of Environmental Toxicology, 2009, 3, 31-35.	1.0	5
190	Arsenic and Cancer. Health Information Systems and the Advancement of Medical Practice in Developing Countries, 2019, , 106-132.	0.1	5
191	Comparative quantification study of arsenic in the groundwater and biological samples of simri village of Buxar District, Bihar, India. Indian Journal of Occupational and Environmental Medicine, 2019, 23, 126.	0.2	15
192	Arsenic release into the groundwater. , 2010, , 73-88.		0
193	Emerging Early Life Environmental Exposures and Lung Development. Journal of Environmental Immunology and Toxicology, 2014, 2, 14.	1.1	0
194	Impacts Caused by Manganese in the Aquatic Environments of Brazil. , 2019, , 329-337.		1
196	Predicting as Contamination Risk in Red River Delta Using Machine Learning Algorithms. SSRN Electronic Journal, 0, , .	0.4	1
197	Arsenic-Contaminated Soil Toxicity and Its Mitigation Through Monocot Crops. , 2020, , 327-337.		2
198	Heterostructure Cu ₂ O@TiO ₂ Nanotube Array Coated Titanium Anode for Efficient Photoelectrocatalytic Oxidation of As(III) in Aqueous Solution. Industrial & Engineering Chemistry Research, 2021, 60, 17545-17555.	3.7	10
199	A critical review on the occurrence and distribution of the uranium- and thorium-decay nuclides and their effect on the quality of groundwater. Science of the Total Environment, 2022, 808, 151914.	8.0	42
200	Changes of groundwater arsenic risk in different seasons in Hetao Basin based on machine learning model. Science of the Total Environment, 2022, 817, 153058.	8.0	10
201	Impacts of active tectonics on geogenic arsenic enrichment in groundwater in the Hetao Plain, Inner Mongolia. Quaternary Science Reviews, 2022, 278, 107343.	3.0	5
202	Groundwater arsenic content related to the sedimentology and stratigraphy of the Red River delta, Vietnam. Science of the Total Environment, 2022, 814, 152641.	8.0	9
203	Documenting a thousand years of environmental and anthropogenic changes on mangroves on the Bangkok coast, the upper Gulf of Thailand. Vegetation History and Archaeobotany, 2023, 32, 17-34.	2.1	3

#	ARTICLE	IF	CITATIONS
204	Surface Flooding as a Key Driver of Groundwater Arsenic Contamination in Southeast Asia. <i>Environmental Science & Technology</i> , 2022, 56, 928-937.	10.0	25
206	Predicting As Contamination Risk in Red River Delta using Machine Learning Algorithms. <i>Economic and Environmental Geology</i> , 2022, 55, 127-135.	0.4	0
207	Natural arsenic source, migration, and flux in a catchment on the Southern Tibetan Plateau. <i>Science of the Total Environment</i> , 2022, 838, 155898.	8.0	11
208	Monitoring and prediction of high fluoride concentrations in groundwater in Pakistan. <i>Science of the Total Environment</i> , 2022, 839, 156058.	8.0	23
210	Health risk assessment from exposure to dissolved trace element concentration in drinking groundwater resources of Central Ganga Alluvial Plain: a case study of Lucknow region. <i>Urban Water Journal</i> , 0, , 1-13.	2.1	1
211	Distribution, geochemical behavior, and risk assessment of arsenic in different floodplain aquifers of middle Gangetic basin, India. <i>Environmental Geochemistry and Health</i> , 2023, 45, 2099-2115.	3.4	5
212	Siamese Network-Based Transfer Learning Model to Predict Geogenic Contaminated Groundwaters. <i>Environmental Science & Technology</i> , 2022, 56, 11071-11079.	10.0	7
213	Heavy metals in paired samples of hair and nails in China: occurrence, sources and health risk assessment. <i>Environmental Geochemistry and Health</i> , 2023, 45, 3171-3185.	3.4	3
214	Geospatial Machine Learning Prediction of Arsenic Distribution in the Groundwater of Murshidabad District, West Bengal, India: Analyzing Spatiotemporal Patterns to Understand Human Health Risk. <i>ACS ES&T Water</i> , 2022, 2, 2409-2421.	4.6	1
215	Arsenic contamination in water, health effects and phytoremediation. , 2023, , 407-429.		1
216	Hotspots of geogenic arsenic and manganese contamination in groundwater of the floodplains in lowland Amazonia (South America). <i>Science of the Total Environment</i> , 2023, 860, 160407.	8.0	4
217	Retrospecting the researches and efforts on Lancang-Mekong water issues: a bibliometric perspective. <i>Water Policy</i> , 2022, 24, 1930-1950.	1.5	2
218	Salinity Prediction in Coastal Aquifers of the Vietnamese Mekong River Delta Using Innovative Machine Learning Algorithms. <i>Environmental Science and Engineering</i> , 2023, , 403-429.	0.2	0
219	Modeling transport and fate of heavy metals at the watershed scale: State-of-the-art and future directions. <i>Science of the Total Environment</i> , 2023, 878, 163087.	8.0	4
220	Natural arsenic-rich spring waters discharging from the Austin Chalk, North-Central Texas, USA: Mineral and chemical evidence of pyrite oxidation followed by reductive dissolution of neo-formed Fe(III) oxides/oxyhydroxides. <i>Applied Geochemistry</i> , 2023, 150, 105547.	3.0	0
221	Predictions of Arsenic in Domestic Well Water Sourced from Alluvial Aquifers of the Western Great Basin, USA. <i>Environmental Science & Technology</i> , 2023, 57, 3124-3133.	10.0	6
222	The risk assessment of arsenic contamination in the urbanized coastal aquifer of Rayong groundwater basin, Thailand using the machine learning approach. <i>Ecotoxicology and Environmental Safety</i> , 2023, 253, 114665.	6.0	8
223	Predicting groundwater contamination to protect the storm-exposed vulnerable. <i>Climate Risk Management</i> , 2023, 40, 100499.	3.2	1

#	ARTICLE	IF	CITATIONS
224	Scientific mapping of the research in microbial and chemical contamination of potable water in Bangladesh: A review of literature. <i>Environmental Science and Pollution Research</i> , 2023, 30, 76421-76436.	5.3	0
225	Objective Cost-Informed Cutoff Criteria Improve the Utility of Machine Learning Models of Environmental Hazards: A Case Study of Groundwater Arsenic Distribution in India. <i>Exposure and Health</i> , 0, , .	4.9	1
226	Hydrogeochemical and sediment parameters improve predication accuracy of arsenic-prone groundwater in random forest machine-learning models. <i>Science of the Total Environment</i> , 2023, 897, 165511.	8.0	7
227	Artificial Intelligence Modelling to Support the Groundwater Chemistry-Dependent Selection of Groundwater Arsenic Remediation Approaches in Bangladesh. <i>Water (Switzerland)</i> , 2023, 15, 3539.	2.7	1
228	Redox trapping of arsenic in hyporheic zones modified by silicate weathering beneath floodplains. <i>Applied Geochemistry</i> , 2023, 159, 105831.	3.0	1
229	A geographer's place matters: Reflections from a "local scholar"™ and the politics of North/South knowledge production. <i>Transactions of the Institute of British Geographers</i> , 0, , .	2.9	0
230	Application of machine learning models in groundwater quality assessment and prediction: progress and challenges. <i>Frontiers of Environmental Science and Engineering</i> , 2024, 18, .	6.0	0
232	Dredging and Mining Operations, Management, and Environmental Impacts. <i>Handbook of Environmental Engineering</i> , 2023, , 333-396.	0.4	1
233	Hazards and influence factors of arsenic in the upper pleistocene aquifer, Hetao region, using machine learning modeling. <i>Science of the Total Environment</i> , 2024, 916, 170247.	8.0	0
234	Worldwide Distribution, Health Risk, Treatment Technology, and Development Tendency of Geogenic High-Arsenic Groundwater. <i>Water (Switzerland)</i> , 2024, 16, 478.	2.7	0