

Prosun Bhattacharya

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225
papers

10,227
citations

52
h-index

94
g-index

268
ext. papers

12,340
ext. citations

6.3
avg, IF

6.61
L-index

#	Paper	IF	Citations
225	Human health effects from chronic arsenic poisoning--a review. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006 , 41, 2399-428	2.3	568
224	Arsenic enrichment in groundwater of the alluvial aquifers in Bangladesh: an overview. <i>Applied Geochemistry</i> , 2004 , 19, 181-200	3.5	480
223	Occurrence of Arsenic-contaminated Groundwater in Alluvial Aquifers from Delta Plains, Eastern India: Options for Safe Drinking Water Supply. <i>International Journal of Water Resources Development</i> , 1997 , 13, 79-92	3	463
222	Controls on the genesis of some high-fluoride groundwaters in India. <i>Applied Geochemistry</i> , 2005 , 20, 221-228	3.5	328
221	Microalgae for third generation biofuel production, mitigation of greenhouse gas emissions and wastewater treatment: Present and future perspectives – a mini review. <i>Energy</i> , 2014 , 78, 104-113	7.9	249
220	Arsenic in groundwater of the Bengal delta plain aquifers in Bangladesh. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2002 , 69, 538-45	2.7	247
219	Distribution and mobility of arsenic in the R� Dulce alluvial aquifers in Santiago del Estero Province, Argentina. <i>Science of the Total Environment</i> , 2006 , 358, 97-120	10.2	215
218	Groundwater arsenic in the Chaco-Pampean Plain, Argentina: case study from Robles county, Santiago del Estero Province. <i>Applied Geochemistry</i> , 2004 , 19, 231-243	3.5	184
217	Arsenic in groundwater in the Bengal Delta Plain: slow poisoning in Bangladesh. <i>Environmental Reviews</i> , 2001 , 9, 189-220	4.5	170
216	Behavior of arsenic and geochemical modeling of arsenic enrichment in aqueous environments. <i>Applied Geochemistry</i> , 2004 , 19, 169-180	3.5	163
215	Arsenic Contamination in Rice, Wheat, Pulses, and Vegetables: A Study in an Arsenic Affected Area of West Bengal, India. <i>Water, Air, and Soil Pollution</i> , 2010 , 213, 3-13	2.6	153
214	Arsenic contamination in groundwater in the Southeast Asia region. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 9-21	4.7	146
213	Fluoride in the environment: sources, distribution and defluoridation. <i>Environmental Chemistry Letters</i> , 2015 , 13, 131-147	13.3	143
212	Targeting low-arsenic aquifers in Matlab Upazila, Southeastern Bangladesh. <i>Science of the Total Environment</i> , 2007 , 379, 121-32	10.2	133
211	Arsenic in the human food chain: the Latin American perspective. <i>Science of the Total Environment</i> , 2012 , 429, 92-106	10.2	127
210	Arsenic uptake by plants and possible phytoremediation applications: a brief overview. <i>Environmental Chemistry Letters</i> , 2012 , 10, 217-224	13.3	126
209	Hydrogeochemical comparison and effects of overlapping redox zones on groundwater arsenic near the Western (Bhagirathi sub-basin, India) and Eastern (Meghna sub-basin, Bangladesh) margins of the Bengal Basin. <i>Journal of Contaminant Hydrology</i> , 2008 , 99, 31-48	3.9	124

208	Natural Arsenic in Global Groundwaters: Distribution and Geochemical Triggers for Mobilization. <i>Current Pollution Reports</i> , 2016 , 2, 68-89	7.6	123
207	Environmental assessment of abandoned mine tailings in Adak, Västerbotten district (northern Sweden). <i>Applied Geochemistry</i> , 2006 , 21, 1760-1780	3.5	120
206	Chemical evolution in the high arsenic groundwater of the Huhhot basin (Inner Mongolia, PR China) and its difference from the western Bengal basin (India). <i>Applied Geochemistry</i> , 2009 , 24, 1835-1851	3.5	117
205	Elevated arsenic in deeper groundwater of the western Bengal basin, India: Extent and controls from regional to local scale. <i>Applied Geochemistry</i> , 2011 , 26, 600-613	3.5	109
204	Mercury flow via coal and coal utilization by-products: A global perspective. <i>Resources, Conservation and Recycling</i> , 2008 , 52, 571-591	11.9	109
203	Podzolisation mechanisms and the synthesis of imogolite in northern Scandinavia. <i>Geoderma</i> , 1995 , 66, 167-184	6.7	99
202	Assessment of arsenic exposure from groundwater and rice in Bengal Delta Region, West Bengal, India. <i>Water Research</i> , 2010 , 44, 5803-12	12.5	97
201	Arsenic in shallow groundwater of Bangladesh: investigations from three different physiographic settings. <i>Hydrogeology Journal</i> , 2007 , 15, 1507-1522	3.1	96
200	A study of trace element contamination using multivariate statistical techniques and health risk assessment in groundwater of Chhaprola Industrial Area, Gautam Buddha Nagar, Uttar Pradesh, India. <i>Chemosphere</i> , 2017 , 166, 135-145	8.4	93
199	Mercury in waste in the European Union: sources, disposal methods and risks. <i>Resources, Conservation and Recycling</i> , 2004 , 42, 155-182	11.9	92
198	Emerging mitigation needs and sustainable options for solving the arsenic problems of rural and isolated urban areas in Latin America - a critical analysis. <i>Water Research</i> , 2010 , 44, 5828-45	12.5	91
197	Hydrogeochemical contrast between brown and grey sand aquifers in shallow depth of Bengal Basin: consequences for sustainable drinking water supply. <i>Science of the Total Environment</i> , 2012 , 431, 402-12	10.2	90
196	Role of competing ions in the mobilization of arsenic in groundwater of Bengal Basin: insight from surface complexation modeling. <i>Water Research</i> , 2014 , 55, 30-9	12.5	89
195	Fluoride occurrence in groundwater systems at global scale and status of defluoridation – State of the art. <i>Groundwater for Sustainable Development</i> , 2019 , 9, 100223	6	83
194	Arsenic in soil and groundwater: an overview. <i>Trace Metals and Other Contaminants in the Environment</i> , 2007 , 3-60		82
193	Metal contamination at a wood preservation site: characterisation and experimental studies on remediation. <i>Science of the Total Environment</i> , 2002 , 290, 165-80	10.2	82
192	Arsenic enrichment in groundwater in the middle Gangetic Plain of Ghazipur District in Uttar Pradesh, India. <i>Journal of Geochemical Exploration</i> , 2010 , 105, 83-94	3.8	74
191	Risk of arsenic exposure from drinking water and dietary components: implications for risk management in rural Bengal. <i>Environmental Science & Technology</i> , 2013 , 47, 1120-7	10.3	72

190	Arsenic species in raw and cooked rice: implications for human health in rural Bengal. <i>Science of the Total Environment</i> , 2014 , 497-498, 200-208	10.2	68
189	Influence of tectonics, sedimentation and aqueous flow cycles on the origin of global groundwater arsenic: Paradigms from three continents. <i>Journal of Hydrology</i> , 2014 , 518, 284-299	6	64
188	Screening of arsenic in tubewell water with field test kits: evaluation of the method from public health perspective. <i>Science of the Total Environment</i> , 2007 , 379, 167-75	10.2	64
187	Concentration of fluoride in groundwater of India: A systematic review, meta-analysis and risk assessment. <i>Groundwater for Sustainable Development</i> , 2019 , 9, 100224	6	63
186	Consumption of brown rice: a potential pathway for arsenic exposure in rural Bengal. <i>Environmental Science & Technology</i> , 2012 , 46, 4142-8	10.3	63
185	Geochemical characterisation of shallow aquifer sediments of Matlab Upazila, Southeastern Bangladesh - implications for targeting low-As aquifers. <i>Journal of Contaminant Hydrology</i> , 2008 , 99, 137-49	3.9	62
184	Arsenic reduction to . <i>Environment International</i> , 2020 , 134, 105253	12.9	60
183	Medical geology in the framework of the sustainable development goals. <i>Science of the Total Environment</i> , 2017 , 581-582, 87-104	10.2	57
182	Arsenic in Drinking Water: Is 10 µ/L a Safe Limit?. <i>Current Pollution Reports</i> , 2019 , 5, 1-3	7.6	55
181	Arsenic in Argentina: Occurrence, human health, legislation and determination. <i>Science of the Total Environment</i> , 2019 , 676, 756-766	10.2	53
180	Hydrogeochemical controls on the mobility of arsenic, fluoride and other geogenic co-contaminants in the shallow aquifers of northeastern La Pampa Province in Argentina. <i>Science of the Total Environment</i> , 2020 , 715, 136671	10.2	52
179	Arsenic mobilization in the aquifers of three physiographic settings of West Bengal, India: understanding geogenic and anthropogenic influences. <i>Journal of Hazardous Materials</i> , 2013 , 262, 915-23	12.8	52
178	Arsenic in Argentina: Technologies for arsenic removal from groundwater sources, investment costs and waste management practices. <i>Science of the Total Environment</i> , 2019 , 690, 778-789	10.2	51
177	Naturally occurring arsenic in terrestrial geothermal systems of western Anatolia, Turkey: potential role in contamination of freshwater resources. <i>Journal of Hazardous Materials</i> , 2013 , 262, 951-9	12.8	51
176	Groundwater chemistry and arsenic mobilization in the Holocene flood plains in south-central Bangladesh. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 23-43	4.7	51
175	Health effects of arsenic exposure in Latin America: An overview of the past eight years of research. <i>Science of the Total Environment</i> , 2020 , 710, 136071	10.2	51
174	Arsenic-induced health crisis in peri-urban Moyna and Ardebok villages, West Bengal, India: an exposure assessment study. <i>Environmental Geochemistry and Health</i> , 2012 , 34, 563-74	4.7	48
173	Arsenic removal from groundwater of the Chaco-Pampean plain (Argentina) using natural geological materials as adsorbents. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1297-310	2.3	48

172	Removal of fluoride from water through bacterial-surfactin mediated novel hydroxyapatite nanoparticle and its efficiency assessment: Adsorption isotherm, adsorption kinetic and adsorption Thermodynamics. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018 , 9, 18-28	3.3	48
171	Spatial analysis and GIS mapping of regional hotspots and potential health risk of fluoride concentrations in groundwater of northern Tanzania. <i>Science of the Total Environment</i> , 2020 , 735, 139584	10.2	47
170	Managing Arsenic in the Environment 2006 ,		46
169	A chronicle of SARS-CoV-2: Seasonality, environmental fate, transport, inactivation, and antiviral drug resistance. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124043	12.8	46
168	Sediment color tool for targeting arsenic-safe aquifers for the installation of shallow drinking water tubewells. <i>Science of the Total Environment</i> , 2014 , 493, 615-25	10.2	44
167	Elevated fluoride in groundwater of Siwani Block, Western Haryana, India: A potential concern for sustainable water supplies for drinking and irrigation. <i>Groundwater for Sustainable Development</i> , 2018 , 7, 410-420	6	43
166	Arsenic and other trace elements in thermal springs and in cold waters from drinking water wells on the Bolivian Altiplano. <i>Journal of South American Earth Sciences</i> , 2015 , 60, 10-20	2	42
165	Mineralogy of poorly crystalline aluminium phases in the B horizon of Podzols in southern Sweden. <i>Applied Geochemistry</i> , 1999 , 14, 707-718	3.5	42
164	Spatial, vertical and temporal variation of arsenic in shallow aquifers of the Bengal Basin: Controlling geochemical processes. <i>Chemical Geology</i> , 2014 , 387, 157-169	4.2	41
163	Spatial dependency of arsenic, antimony, boron and other trace elements in the shallow groundwater systems of the Lower Katari Basin, Bolivian Altiplano. <i>Science of the Total Environment</i> , 2020 , 719, 137505	10.2	40
162	Hydrogeochemical study on the contamination of water resources in a part of Tarkwa mining area, Western Ghana. <i>Journal of African Earth Sciences</i> , 2012 , 66-67, 72-84	2.2	39
161	Provenance and fate of arsenic and other solutes in the Chaco-Pampean Plain of the Andean foreland, Argentina: From perspectives of hydrogeochemical modeling and regional tectonic setting. <i>Journal of Hydrology</i> , 2014 , 518, 300-316	6	39
160	Groundwater arsenic and fluoride in Rajnandgaon District, Chhattisgarh, northeastern India. <i>Applied Water Science</i> , 2017 , 7, 1817-1826	5	38
159	Plate tectonics influence on geogenic arsenic cycling: From primary sources to global groundwater enrichment. <i>Science of the Total Environment</i> , 2019 , 683, 793-807	10.2	38
158	Coupling fractionation and batch desorption to understand arsenic and fluoride co-contamination in the aquifer system. <i>Chemosphere</i> , 2016 , 164, 657-667	8.4	38
157	Sources and behavior of arsenic and trace elements in groundwater and surface water in the Poopó Lake Basin, Bolivian Altiplano. <i>Environmental Earth Sciences</i> , 2012 , 66, 793-807	2.9	38
156	Decay of SARS-CoV-2 RNA along the wastewater treatment outfitted with Upflow Anaerobic Sludge Blanket (UASB) system evaluated through two sample concentration techniques. <i>Science of the Total Environment</i> , 2021 , 754, 142329	10.2	38
155	Groundwater quality evaluation using Shannon information theory and human health risk assessment in Yazd province, central plateau of Iran. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 1108-1130	5.1	38

154	Arsenic in the Environment 2002 ,		37
153	Testing tubewell platform color as a rapid screening tool for arsenic and manganese in drinking water wells. <i>Environmental Science & Technology</i> , 2012 , 46, 434-40	10.3	36
152	Arsenite removal in groundwater treatment plants by sequential Permanganateâ€Ferric treatment. <i>Journal of Water Process Engineering</i> , 2018 , 26, 221-229	6.7	36
151	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	10.2	35
150	Geogenic arsenic and other trace elements in the shallow hydrogeologic system of Southern Poop Basin, Bolivian Altiplano. <i>Journal of Hazardous Materials</i> , 2013 , 262, 924-40	12.8	34
149	Geological controls on groundwater chemistry and arsenic mobilization: Hydrogeochemical study along an Eâ€W transect in the Meghna basin, Bangladesh. <i>Journal of Hydrology</i> , 2009 , 378, 105-118	6	32
148	Temporal and seasonal variability of arsenic in drinking water wells in Matlab, southeastern Bangladesh: a preliminary evaluation on the basis of a 4 year study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1177-84	2.3	32
147	Arsenic biogeochemical cycling in paddy soil-rice system: Interaction with various factors, amendments and mineral nutrients. <i>Science of the Total Environment</i> , 2021 , 773, 145040	10.2	32
146	Hydrogeochemical controls on mobilization of arsenic in groundwater of a part of Brahmaputra river floodplain, India. <i>Journal of Hydrology: Regional Studies</i> , 2015 , 4, 154-171	3.6	31
145	Exploring suitable sites for installing safe drinking water wells in coastal Bangladesh. <i>Groundwater for Sustainable Development</i> , 2018 , 7, 91-100	6	31
144	Searching for a sustainable arsenic mitigation strategy in Bangladesh: experience from two upazilas. <i>International Journal of Environment and Pollution</i> , 2007 , 31, 415	0.7	31
143	Arsenic in Latin America: New findings on source, mobilization and mobility in human environments in 20 countries based on decadal research 2010-2020. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 1727-1865	11.1	31
142	First detection of SARS-CoV-2 genetic material in the vicinity of COVID-19 isolation Centre in Bangladesh: Variation along the sewer network. <i>Science of the Total Environment</i> , 2021 , 776, 145724	10.2	31
141	Petrology and geochemistry of greywackes from the Aravalli Supergroup, Rajasthan, India and the tectonic evolution of a Proterozoic sedimentary basin. <i>Precambrian Research</i> , 1994 , 67, 11-35	3.9	30
140	Arsenic concentration in groundwater: Archetypal study from South Africa. <i>Groundwater for Sustainable Development</i> , 2019 , 9, 100246	6	29
139	Geochemistry and mineralogy of shallow alluvial aquifers in Daudkandi upazila in the Meghna flood plain, Bangladesh. <i>Environmental Geology</i> , 2009 , 57, 499		29
138	Geochemical processes controlling mobilization of arsenic and trace elements in shallow aquifers and surface waters in the Antequera and Poopmining regions, Bolivian Altiplano. <i>Journal of Hydrology</i> , 2014 , 518, 421-433	6	28
137	Dynamics of arsenic adsorption in the targeted arsenic-safe aquifers in Matlab, south-eastern Bangladesh: Insight from experimental studies. <i>Applied Geochemistry</i> , 2011 , 26, 624-635	3.5	28

136	Biogeochemical Controls on the Release and Accumulation of Mn and As in Shallow Aquifers, West Bengal, India. <i>Frontiers in Environmental Science</i> , 2017 , 5,	4.8	27
135	Sustainability of arsenic mitigation interventions—An evaluation of different alternative safe drinking water options provided in Matlab, an arsenic hot spot in Bangladesh. <i>Frontiers in Environmental Science</i> , 2015 , 3,	4.8	27
134	Hydrochemical assessment with respect to arsenic and other trace elements in the Lower Katari Basin, Bolivian Altiplano. <i>Groundwater for Sustainable Development</i> , 2019 , 8, 281-293	6	27
133	Arsenic concentrations in local aromatic and high-yielding hybrid rice cultivars and the potential health risk: a study in an arsenic hotspot. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 184	3.1	26
132	Arsenic in soil and groundwater: an overview 2007 , 3-60		26
131	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	10.2	26
130	Hydrogeochemical reconnaissance of arsenic cycling and possible environmental risk in hydrothermal systems of Taiwan. <i>Groundwater for Sustainable Development</i> , 2017 , 5, 1-13	6	25
129	Arsenic in Groundwater of India 2011 , 150-164		25
128	Assessment of geothermal water quality for industrial and irrigation purposes in the Unai geothermal field, Gujarat, India. <i>Groundwater for Sustainable Development</i> , 2019 , 8, 59-68	6	25
127	Targeting arsenic-safe aquifers for drinking water supplies. <i>Environmental Geochemistry and Health</i> , 2010 , 32, 307-15	4.7	23
126	Frontier review on the propensity and repercussion of SARS-CoV-2 migration to aquatic environment.. <i>Journal of Hazardous Materials Letters</i> , 2020 , 1, 100001	3.3	23
125	Spatial variation of groundwater arsenic distribution in the Chianan Plain, SW Taiwan: Role of local hydrogeological factors and geothermal sources. <i>Journal of Hydrology</i> , 2014 , 518, 393-409	6	22
124	Arsenic-enriched groundwaters of India, Bangladesh and Taiwan--comparison of hydrochemical characteristics and mobility constraints. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1163-76	2.3	22
123	Advanced application of nano-technological and biological processes as well as mitigation options for arsenic removal. <i>Journal of Hazardous Materials</i> , 2021 , 405, 123885	12.8	22
122	Mercury pollution in the coastal Urmia aquifer in northwestern Iran: potential sources, mobility, and toxicity. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 17546-17562	5.1	22
121	Characteristics of Fe and Mn bearing precipitates generated by Fe(II) and Mn(II) co-oxidation with O ₂ , MnO ₂ and HOCl in the presence of groundwater ions. <i>Water Research</i> , 2019 , 161, 505-516	12.5	21
120	Geochemistry of naturally occurring arsenic in groundwater and surface-water in the southern part of the Poopó Lake basin, Bolivian Altiplano. <i>Groundwater for Sustainable Development</i> , 2016 , 2-3, 104-116	6	21
119	The hydrogeochemical evaluation of groundwater resources and their suitability for agricultural and industrial uses in an arid area of Iran. <i>Groundwater for Sustainable Development</i> , 2021 , 12, 100527	6	21

118	Arsenic remobilization from sediments contaminated with mine tailings near the Adak mine in Vsterbotten district (northern Sweden). <i>Journal of Geochemical Exploration</i> , 2007 , 92, 43-54	3.8	20
117	Geogenic Arsenic and Microbial Contamination in Drinking Water Sources: Exposure Risks to the Coastal Population in Bangladesh. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	19
116	Hydrogeochemical and isotopic signatures for the identification of seawater intrusion in the paleobeach aquifer of Cox's Bazar city and its surrounding area, south-east Bangladesh. <i>Groundwater for Sustainable Development</i> , 2019 , 9, 100215	6	19
115	Mobility and redox transformation of arsenic during treatment of artificially recharged groundwater for drinking water production. <i>Water Research</i> , 2020 , 178, 115826	12.5	19
114	Women and community water supply programmes: An analysis from a socio-cultural perspective. <i>Natural Resources Forum</i> , 2005 , 29, 213-223	2.2	19
113	Mercury emissions from industrial sources in India and its effects in the environment 2009 , 81-112		19
112	Removal of metal(oid)s from contaminated water using iron-coated peat sorbent. <i>Chemosphere</i> , 2018 , 198, 290-296	8.4	18
111	Contrasting controls on hydrogeochemistry of arsenic-enriched groundwater in the homologous tectonic settings of Andean and Himalayan basin aquifers, Latin America and South Asia. <i>Science of the Total Environment</i> , 2019 , 689, 1370-1387	10.2	18
110	Hydrogeological investigation for assessment of the sustainability of low-arsenic aquifers as a safe drinking water source in regions with high-arsenic groundwater in Matlab, southeastern Bangladesh. <i>Journal of Hydrology</i> , 2014 , 518, 373-392	6	18
109	Geogenic arsenic in groundwaters from Terai Alluvial Plain of Nepal. <i>European Physical Journal Special Topics</i> , 2003 , 107, 173-176		18
108	A probabilistic-deterministic analysis of human health risk related to the exposure to potentially toxic elements in groundwater of Urmia coastal aquifer (NW of Iran) with a special focus on arsenic speciation and temporal variation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 35, 1509	3.5	18
107	Groundwater governance in Bangladesh: Established practices and recent trends. <i>Groundwater for Sustainable Development</i> , 2019 , 8, 69-81	6	18
106	Arsenic and manganese in shallow tubewells: validation of platform color as a screening tool in Bangladesh. <i>Groundwater for Sustainable Development</i> , 2018 , 6, 181-188	6	18
105	Isotopes (D , D and H) variations in groundwater with emphasis on salinization in the state of Punjab, India. <i>Science of the Total Environment</i> , 2021 , 789, 148051	10.2	18
104	Biogeochemical characteristics of Kuan-Tzu-Ling, Chung-Lun and Bao-Lai hot springs in southern Taiwan. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1207-17	2.3	17
103	Hydrogeochemical behavior of arsenic-enriched groundwater in the deltaic environment: comparison between two study sites in West Bengal, India. <i>Journal of Contaminant Hydrology</i> , 2008 , 99, 22-30	3.9	17
102	Fractionation of heavy metals and assessment of contamination of the sediments of Lake Titicaca. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 9979-94	3.1	16
101	Prevalence of SARS-CoV-2 in Communities Through Wastewater Surveillance-a Potential Approach for Estimation of Disease Burden. <i>Current Pollution Reports</i> , 2021 , 7, 1-7	7.6	16

100	Impact of phosphate, silicate and natural organic matter on the size of Fe(III) precipitates and arsenate co-precipitation efficiency in calcium containing water. <i>Separation and Purification Technology</i> , 2020 , 235, 116117	8.3	16
99	Concentration of arsenic by selected vegetables cultivated in the Yamuna flood plains (YFP) of Delhi, India. <i>Environmental Earth Sciences</i> , 2014 , 72, 3281-3291	2.9	15
98	Fluoride in Drinking Water: Health Effects and Remediation. <i>Environmental Chemistry for A Sustainable World</i> , 2015 , 105-151	0.8	13
97	Groundwater evolution and its utility in upper Ganges-Yamuna Alluvial plain of Northern India, India: Evidence from solute chemistry and stable isotopes. <i>Groundwater for Sustainable Development</i> , 2018 , 7, 400-409	6	13
96	Never Waste a Crisis: Drawing First Lessons from the COVID-19 Pandemic to Tackle the Water Crisis. <i>ACS ES&T Water</i> , 2021 , 1, 8-10		13
95	Arsenic and other toxic elements in surface and groundwater systems. <i>Applied Geochemistry</i> , 2011 , 26, 415-420	3.5	12
94	Handwashing with soap: A concern for overuse of water amidst the COVID-19 pandemic in Bangladesh. <i>Groundwater for Sustainable Development</i> , 2021 , 13, 100561	6	12
93	First comparison of conventional activated sludge versus root-zone treatment for SARS-CoV-2 RNA removal from wastewaters: Statistical and temporal significance. <i>Chemical Engineering Journal</i> , 2021 , 425, 130635	14.7	12
92	The occurrence of arsenic and other trace elements in groundwaters of the southwestern Chaco-Pampean plain, Argentina. <i>Journal of South American Earth Sciences</i> , 2020 , 100, 102547	2	11
91	Geochemical modelling of arsenic adsorption to oxide surfaces. <i>Trace Metals and Other Contaminants in the Environment</i> , 2007 , 9, 159-206		11
90	Micro(nano)plastics pollution and human health: A carcinogenesis concern for humans.. <i>Chemosphere</i> , 2022 , 134267	8.4	11
89	Groundwater hydrochemistry of Rajnandgaon district, Chhattisgarh, Central India. <i>Groundwater for Sustainable Development</i> , 2020 , 11, 100352	6	10
88	Use of GIS in local level participatory planning for arsenic mitigation: a case study from Matlab Upazila, Bangladesh. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007 , 42, 1933-44	2.3	10
87	Future liasing of the lockdown during COVID-19 pandemic: The dawn is expected at hand from the darkest hour. <i>Groundwater for Sustainable Development</i> , 2020 , 11, 100433	6	9
86	Radon in the groundwater in the Amman-Zarqa Basin and related environments in Jordan. <i>Groundwater for Sustainable Development</i> , 2018 , 7, 73-81	6	9
85	Crop Depredation by Birds in Deccan Plateau, India. <i>International Journal of Biodiversity</i> , 2014 , 2014, 1-8		9
84	Environmental arsenic in a changing world. <i>Groundwater for Sustainable Development</i> , 2019 , 8, 169-171	6	9
83	Geochemical mechanisms of natural arsenic mobility in the hydrogeologic system of Lower Katari Basin, Bolivian Altiplano. <i>Journal of Hydrology</i> , 2021 , 594, 125778	6	9

82	Spatial uncertainties in fluoride levels and health risks in endemic fluorotic regions of northern Tanzania. <i>Groundwater for Sustainable Development</i> , 2021 , 14, 100618	6	9
81	Redox-cycling of arsenic along the water pathways in sulfidic metasediment areas in northern Sweden. <i>Applied Geochemistry</i> , 2013 , 35, 35-43	3.5	8
80	Geochemical characteristics of the mud volcano fluids in southwestern Taiwan and their possible linkage to elevated arsenic concentration in Chianan plain groundwater. <i>Environmental Earth Sciences</i> , 2012 , 66, 1513-1523	2.9	8
79	Adsorptive removal of fluoride using biochar – A potential application in drinking water treatment. <i>Separation and Purification Technology</i> , 2022 , 278, 119106	8.3	8
78	Arsenic Contamination of Groundwater in Indus River Basin of Pakistan. <i>Springer Hydrogeology</i> , 2018 , 393-403	0.4	7
77	Extraction of Arsenic from Soils Contaminated with Wood Preservation Chemicals. <i>Soil and Sediment Contamination</i> , 2010 , 19, 142-159	3.2	7
76	Sustainable safe water options in Bangladesh 2005 , 319-330		7
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