Ashis Biswas

List of Publications by Year
in descending order

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26 papers	1,280 citations	331670 21 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1332 citing authors

#	Article	IF	Citations
1	Assessment of arsenic exposure from groundwater and rice in Bengal Delta Region, West Bengal, India. Water Research, 2010, 44, 5803-5812.	11.3	115
2	Hydrogeochemical contrast between brown and grey sand aquifers in shallow depth of Bengal Basin: Consequences for sustainable drinking water supply. Science of the Total Environment, 2012, 431, 402-412.	8.0	114
3	Role of competing ions in the mobilization ofÂarsenic in groundwater of Bengal Basin: Insight from surface complexation modeling. Water Research, 2014, 55, 30-39.	11.3	110
4	Arsenic species in raw and cooked rice: Implications for human health in rural Bengal. Science of the Total Environment, 2014, 497-498, 200-208.	8.0	95
5	Risk of Arsenic Exposure from Drinking Water and Dietary Components: Implications for Risk Management in Rural Bengal. Environmental Science & Technology, 2013, 47, 1120-1127.	10.0	89
6	Consumption of Brown Rice: A Potential Pathway for Arsenic Exposure in Rural Bengal. Environmental Science & Technology, 2012, 46, 4142-4148.	10.0	72
7	Organic carbon induced mobilization of iron and manganese in a West Bengal aquifer and the muted response of groundwater arsenic concentrations. Chemical Geology, 2014, 367, 51-62.	3.3	71
8	Arsenic mobilization in the aquifers of three physiographic settings of West Bengal, India: Understanding geogenic and anthropogenic influences. Journal of Hazardous Materials, 2013, 262, 915-923.	12.4	70
9	Groundwater chemistry and redox processes: Depth dependent arsenic release mechanism. Applied Geochemistry, 2011, 26, 516-525.	3.0	66
10	Complexation of Arsenite, Arsenate, and Monothioarsenate with Oxygen-Containing Functional Groups of Natural Organic Matter: An XAS Study. Environmental Science & Technology, 2019, 53, 10723-10731.	10.0	50
11	Accumulation of essential and non-essential trace elements in rice grain: Possible health impacts on rice consumers in West Bengal, India. Science of the Total Environment, 2020, 706, 135944.	8.0	50
12	Spatial, vertical and temporal variation of arsenic in shallow aquifers of the Bengal Basin: Controlling geochemical processes. Chemical Geology, 2014, 387, 157-169.	3.3	49
13	Shallow hydrostratigraphy in an arsenic affected region of Bengal Basin: Implication for targeting safe aquifers for drinking water supply. Science of the Total Environment, 2014, 485-486, 12-22.	8.0	49
14	Reservoirs of Selenium in Coal Waste Rock: Elk Valley, British Columbia, Canada. Environmental Science & Technology, 2015, 49, 8228-8236.	10.0	41
15	Testing Tubewell Platform Color as a Rapid Screening Tool for Arsenic and Manganese in Drinking Water Wells. Environmental Science & Technology, 2012, 46, 434-440.	10.0	39
16	Monothioarsenate Transformation Kinetics Determining Arsenic Sequestration by Sulfhydryl Groups of Peat. Environmental Science & Technology, 2018, 52, 7317-7326.	10.0	37
17	Biogeochemical phosphorus cycling in groundwater ecosystems â€“ Insights from South and Southeast Asian floodplain and delta aquifers. Science of the Total Environment, 2018, 644, 1357-1370.	8.0	31
18	Reconstructing the sedimentation history of the Bengal Delta Plain by means of geochemical and stable isotopic data. Applied Geochemistry, 2013, 36, 70-82.	3.0	25

#	Article	IF	Citations
19	Influences of groundwater extraction on the distribution of dissolved As in shallow aquifers of West Bengal, India. Journal of Hazardous Materials, 2013, 262, 941-950.	12.4	25
20	Geochemical and mineralogical characterization of sulfur and iron in coal waste rock, Elk Valley, British Columbia, Canada. Science of the Total Environment, 2017, 586, 753-769.	8.0	24
21	Arsenic and manganese in shallow tubewells: validation of platform color as a screening tool in Bangladesh. Groundwater for Sustainable Development, 2018, 6, 181-188.	4.6	23
22	Geochemistry of arsenic in low sulfide-high carbonate coal waste rock, Elk Valley, British Columbia, Canada. Science of the Total Environment, 2017, 579, 396-408.	8.0	20
23	Geochemistry of zinc and cadmium in coal waste rock, Elk Valley, British Columbia, Canada. Applied Geochemistry, 2022, 136, 105148.	3.0	8
24	Identification of Histone H3 and H4 Amino Acid Residues Important for the Regulation of Arsenite Stress Signaling in Saccharomyces cerevisiae. Chemical Research in Toxicology, 2020, 33, 817-833.	3.3	4
25	Optimisation of laboratory arsenic analysis for groundwaters of West Bengal, India and possible water testing strategy. International Journal of Environmental Analytical Chemistry, 2018, 98, 440-452.	3.3	3
26	An Insight into the Spatio-vertical Heterogeneity of Dissolved Arsenic in Part of the Bengal Delta Plain Aquifer in West Bengal (India). , 2015, , 161-177.		0