

Jochen Bundschuh

List of Publications by Citations

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131
papers

6,623
citations

47
h-index

77
g-index

143
ext. papers

8,242
ext. citations

8.8
avg, IF

6.45
L-index

#	Paper	IF	Citations
131	One century of arsenic exposure in Latin America: a review of history and occurrence from 14 countries. <i>Science of the Total Environment</i> , 2012 , 429, 2-35	10.2	339
130	Renewable energy-driven desalination technologies: A comprehensive review on challenges and potential applications of integrated systems. <i>Desalination</i> , 2015 , 356, 94-114	10.3	308
129	Possible treatments for arsenic removal in Latin American waters for human consumption. <i>Environmental Pollution</i> , 2010 , 158, 1105-18	9.3	216
128	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
127	Antimony as a global dilemma: Geochemistry, mobility, fate and transport. <i>Environmental Pollution</i> , 2017 , 223, 545-559	9.3	213
126	Interaction of arsenic with biochar in soil and water: A critical review. <i>Carbon</i> , 2017 , 113, 219-230	10.4	200
125	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
124	Co-occurrence of arsenic and fluoride in groundwater of semi-arid regions in Latin America: genesis, mobility and remediation. <i>Journal of Hazardous Materials</i> , 2013 , 262, 960-9	12.8	152
123	Arsenic speciation dynamics in paddy rice soil-water environment: sources, physico-chemical, and biological factors - A review. <i>Water Research</i> , 2018 , 140, 403-414	12.5	150
122	Arsenic in the human food chain: the Latin American perspective. <i>Science of the Total Environment</i> , 2012 , 429, 92-106	10.2	127
121	Arsenic and associated trace-elements in groundwater from the Chaco-Pampean plain, Argentina: results from 100 years of research. <i>Science of the Total Environment</i> , 2012 , 429, 36-56	10.2	126
120	Natural Arsenic in Global Groundwaters: Distribution and Geochemical Triggers for Mobilization. <i>Current Pollution Reports</i> , 2016 , 2, 68-89	7.6	123
119	A critical review on arsenic removal from water using biochar-based sorbents: The significance of modification and redox reactions. <i>Chemical Engineering Journal</i> , 2020 , 396, 125195	14.7	121
118	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
117	Arsenic exposure in Latin America: biomarkers, risk assessments and related health effects. <i>Science of the Total Environment</i> , 2012 , 429, 76-91	10.2	112
116	Arsenic in volcanic geothermal fluids of Latin America. <i>Science of the Total Environment</i> , 2012 , 429, 57-75	10.2	107
115	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

114	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
113	Exploring the arsenic removal potential of various biosorbents from water. <i>Environment International</i> , 2019 , 123, 567-579	12.9	89
112	Iron-based subsurface arsenic removal technologies by aeration: A review of the current state and future prospects. <i>Water Research</i> , 2018 , 133, 110-122	12.5	83
111	A critical review of mercury speciation, bioavailability, toxicity and detoxification in soil-plant environment: Ecotoxicology and health risk assessment. <i>Science of the Total Environment</i> , 2020 , 711, 134749	10.2	81
110	Sources and controls for the mobility of arsenic in oxidizing groundwaters from loess-type sediments in arid/semi-arid dry climates - evidence from the Chaco-Pampean plain (Argentina). <i>Water Research</i> , 2010 , 44, 5589-604	12.5	76
109	Microbial biotechnology as an emerging industrial wastewater treatment process for arsenic mitigation: A critical review. <i>Journal of Cleaner Production</i> , 2017 , 151, 427-438	10.3	71
108	Low-cost low-enthalpy geothermal heat for freshwater production: Innovative applications using thermal desalination processes. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 43, 196-206	16.2	70
107	Arsenic-enriched aquifers: Occurrences and mobilization of arsenic in groundwater of Ganges Delta Plain, Barasat, West Bengal, India. <i>Applied Geochemistry</i> , 2010 , 25, 1805-1814	3.5	70
106	Emerging technologies for arsenic removal from drinking water in rural and peri-urban areas: Methods, experience from, and options for Latin America. <i>Science of the Total Environment</i> , 2019 , 694, 133427	10.2	68
105	Arsenic accumulation in rice (<i>Oryza sativa</i> L.) is influenced by environment and genetic factors. <i>Science of the Total Environment</i> , 2018 , 642, 485-496	10.2	65
104	Geothermal arsenic: Occurrence, mobility and environmental implications. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 42, 1214-1222	16.2	62
103	Biochar versus bone char for a sustainable inorganic arsenic mitigation in water: What needs to be done in future research?. <i>Environment International</i> , 2019 , 127, 52-69	12.9	58
102	Pilot study on arsenic removal from groundwater using a small-scale reverse osmosis system-Towards sustainable drinking water production. <i>Journal of Hazardous Materials</i> , 2016 , 318, 671-678	12.8	58
101	Implications of organic matter on arsenic mobilization into groundwater: evidence from northwestern (Chapai-Nawabganj), central (Manikganj) and southeastern (Chandpur) Bangladesh. <i>Water Research</i> , 2010 , 44, 5556-74	12.5	58
100	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
99	Co-occurrence, possible origin, and health-risk assessment of arsenic and fluoride in drinking water sources in Mexico: Geographical data visualization. <i>Science of the Total Environment</i> , 2020 , 698, 134168	10.2	56
98	Trace elements-induced phytohormesis: A critical review and mechanistic interpretation. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 1984-2015	11.1	55
97	Arsenic in cooked rice foods: Assessing health risks and mitigation options. <i>Environment International</i> , 2019 , 127, 584-591	12.9	53

96	Bone char as a green sorbent for removing health threatening fluoride from drinking water. <i>Environment International</i> , 2019 , 127, 704-719	12.9	52
95	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
94	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
93	Health risks for human intake of aquacultural fish: Arsenic bioaccumulation and contamination. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1266-73	2.3	52
92	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
91	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
90	Mechanisms of arsenic enrichment in geothermal and petroleum reservoirs fluids in Mexico. <i>Water Research</i> , 2010 , 44, 5605-17	12.5	50
89	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
88	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
87	State-of-the-art of renewable energy sources used in water desalination: Present and future prospects. <i>Desalination</i> , 2021 , 508, 115035	10.3	47
86	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
85	Selective removal of arsenic in water: A critical review. <i>Environmental Pollution</i> , 2021 , 268, 115668	9.3	42
84	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
83	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
82	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
81	Arsenic in Latin America: A critical overview on the geochemistry of arsenic originating from geothermal features and volcanic emissions for solving its environmental consequences. <i>Science of the Total Environment</i> , 2020 , 716, 135564	10.2	38
80	Arsenite removal in groundwater treatment plants by sequential Permanganate/Ferric treatment. <i>Journal of Water Process Engineering</i> , 2018 , 26, 221-229	6.7	36
79	Use of low-enthalpy and waste geothermal energy sources to solve arsenic problems in freshwater production in selected regions of Latin America using a process membrane distillation - Research into model solutions. <i>Science of the Total Environment</i> , 2020 , 714, 136853	10.2	35

78	Arsenic mineral dissolution and possible mobilization in mineral-microbe-groundwater environment. <i>Journal of Hazardous Materials</i> , 2013 , 262, 989-96	12.8	35
77	Arbuscular mycorrhizal fungi-assisted phytoremediation of a lead-contaminated site. <i>Science of the Total Environment</i> , 2016 , 572, 86-97	10.2	35
76	Geogenic arsenic and other trace elements in the shallow hydrogeologic system of Southern Poopó Basin, Bolivian Altiplano. <i>Journal of Hazardous Materials</i> , 2013 , 262, 924-40	12.8	34
75	Effect of pyrolysis conditions on bone char characterization and its ability for arsenic and fluoride removal. <i>Environmental Pollution</i> , 2020 , 262, 114221	9.3	32
74	Thiolated arsenic in natural systems: What is current, what is new and what needs to be known. <i>Environment International</i> , 2018 , 115, 370-386	12.9	32
73	Arsenic bioaccessibility in a gold mining area: a health risk assessment for children. <i>Environmental Geochemistry and Health</i> , 2012 , 34, 457-65	4.7	32
72	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
71	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
70	Arsenic enrichment in sediments and beaches of Brazilian coastal waters: A review. <i>Science of the Total Environment</i> , 2019 , 681, 143-154	10.2	30
69	Inorganic arsenic species removal from water using bone char: A detailed study on adsorption kinetic and isotherm models using error functions analysis. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124112	12.8	30
68	Geochemical processes controlling mobilization of arsenic and trace elements in shallow aquifers and surface waters in the Antequera and Poopó mining regions, Bolivian Altiplano. <i>Journal of Hydrology</i> , 2014 , 518, 421-433	6	28
67	A comparative study on arsenic and humic substances in alluvial aquifers of Bengal delta plain (NW Bangladesh), Chianan plain (SW Taiwan) and Lanyang plain (NE Taiwan): implication of arsenic mobilization mechanisms. <i>Environmental Geochemistry and Health</i> , 2011 , 33, 235-58	4.7	28
66	Role of organic matter and humic substances in the binding and mobility of arsenic in a Gangetic aquifer. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1231-8	2.3	28
65	The potential for reductive mobilization of arsenic [As(V) to As(III)] by OSBH(2) (<i>Pseudomonas stutzeri</i>) and OSBH(5) (<i>Bacillus cereus</i>) in an oil-contaminated site. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1239-46	2.3	28
64	Mitigation of arsenic accumulation in rice: An agronomical, physico-chemical, and biological approach A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 31-71	11.1	28
63	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
62	Hydrogeochemical controls on arsenic mobility in an arid inland basin, Southeast of Iran: The role of alkaline conditions and salt water intrusion. <i>Environmental Pollution</i> , 2019 , 249, 910-922	9.3	23
61	Microbe mediated immobilization of arsenic in the rice rhizosphere after incorporation of silica impregnated biochar composites. <i>Journal of Hazardous Materials</i> , 2020 , 398, 123096	12.8	23

60	Solar powered nanofiltration for drinking water production from fluoride-containing groundwater - A pilot study towards developing a sustainable and low-cost treatment plant. <i>Journal of Environmental Management</i> , 2019 , 231, 1263-1269	7.9	23
59	Targeting arsenic-safe aquifers for drinking water supplies. <i>Environmental Geochemistry and Health</i> , 2010 , 32, 307-15	4.7	23
58	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
57	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
56	Geochemistry of naturally occurring arsenic in groundwater and surface-water in the southern part of the Poop Lake basin, Bolivian Altiplano. <i>Groundwater for Sustainable Development</i> , 2016 , 2-3, 104-116 ⁶		21
55	Potential of different AM fungi (native from As-contaminated and uncontaminated soils) for supporting <i>Leucaena leucocephala</i> growth in As-contaminated soil. <i>Environmental Pollution</i> , 2017 , 224, 125-135	9.3	19
54	Exploring synergies and tradeoffs: Energy, water, and economic implications of water reuse in rice-based irrigation systems. <i>Applied Energy</i> , 2014 , 114, 889-900	10.7	19
53	Green technological approach to synthesis hydrophobic stable crystalline calcite particles with one-pot synthesis for oil-water separation during oil spill cleanup. <i>Water Research</i> , 2017 , 123, 332-344	12.5	19
52	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
51	A review of the distribution, sources, genesis, and environmental concerns of salinity in groundwater. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 41157-41174	5.1	18
50	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
49	A fast analytical protocol for simultaneous speciation of arsenic by Ultra-High Performance Liquid Chromatography (UHPLC) hyphenated to Inductively Coupled Plasma Mass Spectrometry (ICP-MS) as a modern advancement in liquid chromatography approaches. <i>Talanta</i> , 2020 , 208, 120457	6.2	17
48	Variety-specific arsenic accumulation in 44 different rice cultivars (<i>O. sativa</i> L.) and human health risks due to co-exposure of arsenic-contaminated rice and drinking water. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124804	12.8	17
47	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. <i>Science of the Total Environment</i> , 2021 , 780, 146274	10.2	17
46	The geochemical characteristics of the mud liquids in the Wushanting and Hsiaokunshui Mud Volcano region in southern Taiwan: Implications of humic substances for binding and mobilization of arsenic. <i>Journal of Geochemical Exploration</i> , 2013 , 128, 62-71	3.8	16
45	Low-enthalpy geothermal energy as a source of energy and integrated freshwater production in inland areas: Technological and economic feasibility. <i>Desalination</i> , 2018 , 435, 35-44	10.3	15
44	Desalination of salty water using vacuum spray dryer driven by solar energy. <i>Desalination</i> , 2017 , 404, 182-191	10.3	15
43	Hydrogels: Novel materials for contaminant removal in water--A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 1970-2014	11.1	15

42	Constructed wetlands as a sustainable technology for wastewater treatment with emphasis on chromium-rich tannery wastewater. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126926	12.8	15
41	Plant growth promotion and enhanced uptake of Cd by combinatorial application of and EDTA on L. <i>International Journal of Phytoremediation</i> , 2020 , 22, 1372-1384	3.9	14
40	An Assessment of Direct on-Farm Energy Use for High Value Grain Crops Grown under Different Farming Practices in Australia. <i>Energies</i> , 2015 , 8, 13033-13046	3.1	14
39	Combating soil salinity with combining saline agriculture and phytomanagement with salt-accumulating plants. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 1085-1115	11.1	14
38	Depth-resolved abundance and diversity of arsenite-oxidizing bacteria in the groundwater of Beimen, a blackfoot disease endemic area of southwestern Taiwan. <i>Water Research</i> , 2013 , 47, 6983-91	12.5	13
37	Biogeochemical interactions among the arsenic, iron, humic substances, and microbes in mud volcanoes in southern Taiwan. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1218-30	2.3	13
36	Linking geochemical processes in mud volcanoes with arsenic mobilization driven by organic matter. <i>Journal of Hazardous Materials</i> , 2013 , 262, 980-8	12.8	12
35	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
34	Assessment of submarine geothermal resources and development of tools to quantify their energy potentials for environmentally sustainable development. <i>Journal of Cleaner Production</i> , 2014 , 83, 21-32	10.3	11
33	Fabrication and evaluation of silica embedded and zerovalent iron composited biochars for arsenate removal from water. <i>Environmental Pollution</i> , 2020 , 266, 115256	9.3	11
32	Iron-based subsurface arsenic removal (SAR): Results of a long-term pilot-scale test in Vietnam. <i>Water Research</i> , 2020 , 181, 115929	12.5	10
31	A remediation approach to chromium-contaminated water and soil using engineered biochar derived from peanut shell. <i>Environmental Research</i> , 2021 , 204, 112125	7.9	10
30	Arsenic in geoenvironments of Nicaragua: Exposure, health effects, mitigation and future needs. <i>Science of the Total Environment</i> , 2020 , 716, 136527	10.2	9
29	Application of natural citric acid sources and their role on arsenic removal from drinking water: a green chemistry approach. <i>Journal of Hazardous Materials</i> , 2013 , 262, 1167-75	12.8	9
28	Recent progress in radon-based monitoring as seismic and volcanic precursor: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 979-1012	11.1	9
27	Water as key to the sustainable development goals of South Sudan: A water quality assessment of Eastern Equatoria State. <i>Groundwater for Sustainable Development</i> , 2019 , 8, 255-270	6	7
26	Interrelationship of TOC, As, Fe, Mn, Al and Si in shallow alluvial aquifers in Chapai-Nawabganj, Northwestern Bangladesh: implication for potential source of organic carbon. <i>Environmental Earth Sciences</i> , 2011 , 63, 955-967	2.9	7
25	Small-scale membrane-based arsenic removal for decentralized applications-Developing a conceptual approach for future utilization. <i>Water Research</i> , 2021 , 196, 116978	12.5	7

24	Pennisetum giganteum: An emerging salt accumulating/tolerant non-conventional crop for sustainable saline agriculture and simultaneous phytoremediation. <i>Environmental Pollution</i> , 2020 , 265, 114876	9.3	6
23	Exogenous Melatonin Enhances Cd Tolerance and Phytoremediation Efficiency by Ameliorating Cd-Induced Stress in Oilseed Crops: A Review. <i>Journal of Plant Growth Regulation</i> ,1	4.7	6
22	Assessing the Brazilian prevention value for soil arsenic: Effects on emergence and growth of plant species relevant to tropical agroecosystems. <i>Science of the Total Environment</i> , 2019 , 694, 133663	10.2	5
21	Vertical geochemical variations and arsenic mobilization in the shallow alluvial aquifers of the Chapai-Nawabganj District, northwestern Bangladesh: implication of siderite precipitation. <i>Environmental Earth Sciences</i> , 2013 , 68, 1255-1270	2.9	5
20	Arsenic in freshwater fish in the Chihuahua County water reservoirs (Mexico). <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1283-7	2.3	5
19	Biotechnological approaches in agriculture and environmental management - bacterium <i>Kocuria rhizophila</i> 14ASP as heavy metal and salt- tolerant plant growth- promoting strain. <i>Biologia (Poland)</i> , 2021 , 76, 3091-3105	1.5	5
18	An integrated approach of rice hull biochar-alternative water management as a promising tool to decrease inorganic arsenic levels and to sustain essential element contents in rice. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124188	12.8	5
17	Microbe-EDTA mediated approach in the phytoremediation of lead-contaminated soils using maize (L.) plants. <i>International Journal of Phytoremediation</i> , 2021 , 23, 585-596	3.9	4
16	Rice genotype responses to arsenic stress and cancer risk: The effects of integrated birnessite-modified rice hull biochar-water management applications. <i>Science of the Total Environment</i> , 2021 , 768, 144531	10.2	4
15	The global arsenic crisis short introduction. <i>Arsenic in the Environment</i> , 2010 , 3-19		3
14	Fabrication of biochar-based hybrid Ag nanocomposite from algal biomass waste for toxic dye-laden wastewater treatment.. <i>Chemosphere</i> , 2021 , 133243	8.4	3
13	A novel BMSN (biologically synthesized mesoporous silica nanoparticles) material: synthesis using a bacteria-mediated biosurfactant and characterization.. <i>RSC Advances</i> , 2021 , 11, 32906-32916	3.7	3
12	Photocatalysis for arsenic removal from water: considerations for solar photocatalytic reactors. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
11	Arsenic contamination in groundwaters in Bangladesh and options of sustainable drinking water supplies. <i>Arsenic in the Environment</i> , 2010 , 21-35		1
10	Salicylic Acid Confers Salt Tolerance in Giant Juncao Through Modulation of Redox Homeostasis, Ionic Flux, and Bioactive Compounds: An Ionomics and Metabolomic Perspective of Induced Tolerance Responses. <i>Journal of Plant Growth Regulation</i> ,1	4.7	1
9	Arsenic-rich geothermal fluids as environmentally hazardous materials - A global assessment.. <i>Science of the Total Environment</i> , 2021 , 152669	10.2	1
8	Evaluating the Ability of Bone Char/nTiO2 Composite and UV Radiation for Simultaneous Oxidation and Adsorption of Arsenite. <i>Sustainable Chemistry</i> , 2022 , 3, 19-34	3.6	1
7	Assessing the most sensitive and reliable endpoints in plant growth tests to improve arsenic risk assessment. <i>Science of the Total Environment</i> , 2020 , 708, 134753	10.2	1

6	Value Proposition of Different Methods for Utilisation of Sugarcane Wastes. <i>Energies</i> , 2021 , 14, 5483	3.1	1
5	Iron modification to silicon-rich biochar and alternative water management to decrease arsenic accumulation in rice (<i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2021 , 286, 117661	9.3	1
4	Global Arsenic dilemma and sustainability. <i>Journal of Hazardous Materials</i> , 2022 , 129197	12.8	1
3	Occurrence and behavior of arsenic in groundwater-aquifer system of irrigated areas.. <i>Science of the Total Environment</i> , 2022 , 155991	10.2	0
2	Reducing conditions increased the mobilisation and hazardous effects of arsenic in a highly contaminated gold mine spoil. <i>Journal of Hazardous Materials</i> , 2022 , 436, 129238	12.8	0
1	Foreword. Special issue: adverse effects of arsenic (As) on the environment. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1161-2	2.3	