

# Andy A Meharg

## List of Publications by Year in descending order

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315  
papers

32,892  
citations

3525

90  
h-index

4545

171  
g-index

330  
all docs

330  
docs citations

330  
times ranked

16380  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic uptake and metabolism in arsenic resistant and nonresistant plant species. <i>New Phytologist</i> , 2002, 154, 29-43.	3.5	1,087
2	Arsenic as a Food Chain Contaminant: Mechanisms of Plant Uptake and Metabolism and Mitigation Strategies. <i>Annual Review of Plant Biology</i> , 2010, 61, 535-559.	8.6	1,023
3	Arsenic uptake and metabolism in plants. <i>New Phytologist</i> , 2009, 181, 777-794.	3.5	973
4	Arsenic Contamination of Bangladesh Paddy Field Soils: Implications for Rice Contribution to Arsenic Consumption. <i>Environmental Science &amp; Technology</i> , 2003, 37, 229-234.	4.6	872
5	Variation in Arsenic Speciation and Concentration in Paddy Rice Related to Dietary Exposure. <i>Environmental Science &amp; Technology</i> , 2005, 39, 5531-5540.	4.6	706
6	Geographical Variation in Total and Inorganic Arsenic Content of Polished (White) Rice. <i>Environmental Science &amp; Technology</i> , 2009, 43, 1612-1617.	4.6	673
7	Greatly Enhanced Arsenic Shoot Assimilation in Rice Leads to Elevated Grain Levels Compared to Wheat and Barley. <i>Environmental Science &amp; Technology</i> , 2007, 41, 6854-6859.	4.6	653
8	Uptake Kinetics of Arsenic Species in Rice Plants. <i>Plant Physiology</i> , 2002, 128, 1120-1128.	2.3	593
9	Growing Rice Aerobically Markedly Decreases Arsenic Accumulation. <i>Environmental Science &amp; Technology</i> , 2008, 42, 5574-5579.	4.6	567
10	Mechanisms of Arsenic Hyperaccumulation in <i>Pteris vittata</i> . Uptake Kinetics, Interactions with Phosphate, and Arsenic Speciation. <i>Plant Physiology</i> , 2002, 130, 1552-1561.	2.3	548
11	Arsenic Accumulation and Metabolism in Rice ( <i>Oryza sativa</i> L.). <i>Environmental Science &amp; Technology</i> , 2002, 36, 962-968.	4.6	516
12	Selenium in higher plants: understanding mechanisms for biofortification and phytoremediation. <i>Trends in Plant Science</i> , 2009, 14, 436-442.	4.3	486
13	Suppression of the High Affinity Phosphate Uptake System: A Mechanism of Arsenate Tolerance in <i>Holcus lanatus</i> L.. <i>Journal of Experimental Botany</i> , 1992, 43, 519-524.	2.4	482
14	Increase in Rice Grain Arsenic for Regions of Bangladesh Irrigating Paddies with Elevated Arsenic in Groundwaters. <i>Environmental Science &amp; Technology</i> , 2006, 40, 4903-4908.	4.6	473
15	Occurrence and Partitioning of Cadmium, Arsenic and Lead in Mine Impacted Paddy Rice: Hunan, China. <i>Environmental Science &amp; Technology</i> , 2009, 43, 637-642.	4.6	451
16	High Percentage Inorganic Arsenic Content of Mining Impacted and Nonimpacted Chinese Rice. <i>Environmental Science &amp; Technology</i> , 2008, 42, 5008-5013.	4.6	390
17	Arsenic Sequestration in Iron Plaque, Its Accumulation and Speciation in Mature Rice Plants ( <i>Oryza</i> )	4.6	385
18	Copper- and arsenate-induced oxidative stress in <i>Holcus lanatus</i> L. clones with differential sensitivity. <i>Plant, Cell and Environment</i> , 2001, 24, 713-722.	2.8	382

#	ARTICLE	IF	CITATIONS
19	Arsenic in rice – understanding a new disaster for South-East Asia. Trends in Plant Science, 2004, 9, 415-417.	4.3	375
20	Variation in Rice Cadmium Related to Human Exposure. Environmental Science & Technology, 2013, 47, 5613-5618.	4.6	365
21	Exposure to inorganic arsenic from rice: A global health issue?. Environmental Pollution, 2008, 154, 169-171.	3.7	344
22	Speciation and Localization of Arsenic in White and Brown Rice Grains. Environmental Science & Technology, 2008, 42, 1051-1057.	4.6	321
23	Methylated arsenic species in plants originate from soil microorganisms. New Phytologist, 2012, 193, 665-672.	3.5	312
24	Arsenic uptake and accumulation in rice ( <i>Oryza sativa</i> L.) irrigated with contaminated water. Plant and Soil, 2002, 240, 311-319.	1.8	311
25	Phytochelatins Are Involved in Differential Arsenate Tolerance in <i>Holcus lanatus</i> . Plant Physiology, 2001, 126, 299-306.	2.3	305
26	Uptake, translocation and transformation of arsenate and arsenite in sunflower ( <i>Helianthus annuus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf New Phytologist, 2005, 168, 551-558.	3.5	282
27	Direct evidence showing the effect of root surface iron plaque on arsenite and arsenate uptake into rice ( <i>Oryza sativa</i> ) roots. New Phytologist, 2005, 165, 91-97.	3.5	279
28	Inorganic Arsenic in Rice Bran and Its Products Are an Order of Magnitude Higher than in Bulk Grain. Environmental Science & Technology, 2008, 42, 7542-7546.	4.6	278
29	Methylated Arsenic Species in Rice: Geographical Variation, Origin, and Uptake Mechanisms. Environmental Science & Technology, 2013, 47, 3957-3966.	4.6	276
30	The Nature of Arsenic-Phytochelatin Complexes in <i>Holcus lanatus</i> and <i>Pteris cretica</i> . Plant Physiology, 2004, 134, 1113-1122.	2.3	275
31	Genetic mapping of the rice ionome in leaves and grain: identification of QTLs for 17 elements including arsenic, cadmium, iron and selenium. Plant and Soil, 2010, 329, 139-153.	1.8	275
32	Grain Unloading of Arsenic Species in Rice $\hat{A}$ . Plant Physiology, 2009, 152, 309-319.	2.3	268
33	Integrated tolerance mechanisms: constitutive and adaptive plant responses to elevated metal concentrations in the environment. Plant, Cell and Environment, 1994, 17, 989-993.	2.8	266
34	Arsenite transport into paddy rice ( <i>Oryza sativa</i> ) roots. New Phytologist, 2003, 157, 39-44.	3.5	262
35	Uptake and translocation of inorganic and methylated arsenic species by plants. Environmental Chemistry, 2007, 4, 197.	0.7	257
36	An altered phosphate uptake system in arsenate-tolerant <i>Holcus lanatus</i> L. New Phytologist, 1990, 116, 29-35.	3.5	255

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37	Market Basket Survey Shows Elevated Levels of As in South Central U.S. Processed Rice Compared to California: Consequences for Human Dietary Exposure. <i>Environmental Science &amp; Technology</i> , 2007, 41, 2178-2183.	4.6	253
38	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.	5.3	244
39	Genome Wide Association Mapping of Grain Arsenic, Copper, Molybdenum and Zinc in Rice ( <i>Oryza</i> ) Tj ETQq1 1 0.784314 rgBT /Overl 1.1 228	1.1	228
40	Speciation and distribution of arsenic and localization of nutrients in rice grains. <i>New Phytologist</i> , 2009, 184, 193-201.	3.5	226
41	Storage of sediment-associated nutrients and contaminants in river channel and floodplain systems. <i>Applied Geochemistry</i> , 2003, 18, 195-220.	1.4	225
42	Linking Genes to Microbial Biogeochemical Cycling: Lessons from Arsenic. <i>Environmental Science &amp; Technology</i> , 2017, 51, 7326-7339.	4.6	223
43	Silicon, the silver bullet for mitigating biotic and abiotic stress, and improving grain quality, in rice?. <i>Environmental and Experimental Botany</i> , 2015, 120, 8-17.	2.0	218
44	Toxicity of diclofenac to Gyps vultures. <i>Biology Letters</i> , 2006, 2, 279-282.	1.0	210
45	Rice-arsenate interactions in hydroponics: whole genome transcriptional analysis. <i>Journal of Experimental Botany</i> , 2008, 59, 2267-2276.	2.4	210
46	Co-evolution of Mycorrhizal Symbionts and their Hosts to Metal-contaminated Environments. <i>Advances in Ecological Research</i> , 1999, 30, 69-112.	1.4	193
47	Selenium Characterization in the Global Rice Supply Chain. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6024-6030.	4.6	191
48	The mechanistic basis of interactions between mycorrhizal associations and toxic metal cations. <i>Mycological Research</i> , 2003, 107, 1253-1265.	2.5	187
49	Antimony bioavailability in mine soils. <i>Environmental Pollution</i> , 2003, 124, 93-100.	3.7	186
50	Understanding arsenic dynamics in agronomic systems to predict and prevent uptake by crop plants. <i>Science of the Total Environment</i> , 2017, 581-582, 209-220.	3.9	185
51	Organic Matter-Solid Phase Interactions Are Critical for Predicting Arsenic Release and Plant Uptake in Bangladesh Paddy Soils. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6080-6087.	4.6	181
52	Ectomycorrhizas - extending the capabilities of rhizosphere remediation?. <i>Soil Biology and Biochemistry</i> , 2000, 32, 1475-1484.	4.2	180
53	Title is missing!. <i>Plant and Soil</i> , 2002, 243, 57-66.	1.8	175
54	Phloem transport of arsenic species from flag leaf to grain during grain filling. <i>New Phytologist</i> , 2011, 192, 87-98.	3.5	170

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55	A review of rhizosphere carbon flow modelling. <i>Plant and Soil</i> , 2000, 222, 263-281.	1.8	168
56	Inorganic arsenic levels in baby rice are of concern. <i>Environmental Pollution</i> , 2008, 152, 746-749.	3.7	168
57	Removing the Threat of Diclofenac to Critically Endangered Asian Vultures. <i>PLoS Biology</i> , 2006, 4, e66.	2.6	167
58	Variation in arsenic accumulation – hyperaccumulation in ferns and their allies. <i>New Phytologist</i> , 2003, 157, 25-31.	3.5	165
59	Ericoid mycorrhiza: a partnership that exploits harsh edaphic conditions. <i>European Journal of Soil Science</i> , 2003, 54, 735-740.	1.8	161
60	Title is missing!. <i>Plant and Soil</i> , 1997, 189, 303-319.	1.8	155
61	Stable isotope probing analysis of the influence of liming on root exudate utilization by soil microorganisms. <i>Environmental Microbiology</i> , 2005, 7, 828-838.	1.8	153
62	Phosphorus Nutrition of Arsenate-Tolerant and Nontolerant Phenotypes of Velvetgrass. <i>Journal of Environmental Quality</i> , 1994, 23, 234-238.	1.0	152
63	Identification of Low Inorganic and Total Grain Arsenic Rice Cultivars from Bangladesh. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6070-6075.	4.6	151
64	Environmental and Genetic Control of Arsenic Accumulation and Speciation in Rice Grain: Comparing a Range of Common Cultivars Grown in Contaminated Sites Across Bangladesh, China, and India. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8381-8386.	4.6	146
65	Cooking rice in a high water to rice ratio reduces inorganic arsenic content. <i>Journal of Environmental Monitoring</i> , 2009, 11, 41-44.	2.1	143
66	Survey of arsenic and its speciation in rice products such as breakfast cereals, rice crackers and Japanese rice condiments. <i>Environment International</i> , 2009, 35, 473-475.	4.8	138
67	Field Fluxes and Speciation of Arsines Emanating from Soils. <i>Environmental Science &amp; Technology</i> , 2011, 45, 1798-1804.	4.6	138
68	Inorganic arsenic in rice-based products for infants and young children. <i>Food Chemistry</i> , 2016, 191, 128-134.	4.2	137
69	A critical review of labelling techniques used to quantify rhizosphere carbon-flow. <i>Plant and Soil</i> , 1994, 166, 55-62.	1.8	129
70	Loss of exudates from the roots of perennial ryegrass inoculated with a range of micro-organisms. <i>Plant and Soil</i> , 1995, 170, 345-349.	1.8	129
71	Mechanism of Arsenate Resistance in the Ericoid Mycorrhizal Fungus <i>Hymenoscyphus ericae</i> . <i>Plant Physiology</i> , 2000, 124, 1327-1334.	2.3	129
72	The role of the plasmalemma in metal tolerance in angiosperms. <i>Physiologia Plantarum</i> , 1993, 88, 191-198.	2.6	128

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73	A review on completing arsenic biogeochemical cycle: Microbial volatilization of arsines in environment. <i>Journal of Environmental Sciences</i> , 2014, 26, 371-381.	3.2	128
74	Variation in grain arsenic assessed in a diverse panel of rice ( <i>Oryza sativa</i> ) grown in multiple sites. <i>New Phytologist</i> , 2012, 193, 650-664.	3.5	126
75	Interactions between earthworms and arsenic in the soil environment: a review. <i>Environmental Pollution</i> , 2003, 124, 361-373.	3.7	124
76	Quantitative and Qualitative Trapping of Arsines Deployed to Assess Loss of Volatile Arsenic from Paddy Soil. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8270-8275.	4.6	122
77	Inorganic arsenic contents in rice-based infant foods from Spain, UK, China and USA. <i>Environmental Pollution</i> , 2012, 163, 77-83.	3.7	121
78	Toxicity of non-steroidal anti-inflammatory drugs to <i>Gyps</i> vultures: a new threat from ketoprofen. <i>Biology Letters</i> , 2010, 6, 339-341.	1.0	118
79	The mechanisms of arsenate tolerance in <i>Deschampsia cespitosa</i> (L.) Beauv. and <i>Agrostis capillaris</i> L.. <i>New Phytologist</i> , 1991, 119, 291-297.	3.5	112
80	Arsenic-glutathione complexes—their stability in solution and during separation by different HPLC modes. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 183-190.	1.6	110
81	Survival and behaviour of the earthworms <i>Lumbricus rubellus</i> and <i>Dendrodrilus rubidus</i> from arsenate-contaminated and non-contaminated sites. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1239-1244.	4.2	101
82	An arsenic-accumulating, hypertolerant brassica, <i>Isatis capadocica</i> . <i>New Phytologist</i> , 2009, 184, 41-47.	3.5	101
83	Codeposition of Organic Carbon and Arsenic in Bengal Delta Aquifers. <i>Environmental Science &amp; Technology</i> , 2006, 40, 4928-4935.	4.6	100
84	Investigation into mercury bound to biothiols: structural identification using ESI-ion-trap MS and introduction of a method for their HPLC separation with simultaneous detection by ICP-MS and ESI-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1753-1764.	1.9	99
85	The molecular form of mercury in biota: identification of novel mercury peptide complexes in plants. <i>Chemical Communications</i> , 2009, , 4257.	2.2	99
86	Arsenic Limits Trace Mineral Nutrition (Selenium, Zinc, and Nickel) in Bangladesh Rice Grain. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8430-8436.	4.6	99
87	Uptake, accumulation and translocation of arsenate in arsenate-tolerant and non-tolerant <i>Holcus lanatus</i> L.. <i>New Phytologist</i> , 1991, 117, 225-231.	3.5	98
88	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.	3.9	98
89	Can arsenic-phytochelatin complex formation be used as an indicator for toxicity in <i>Helianthus annuus</i> ?. <i>Journal of Experimental Botany</i> , 2007, 58, 1333-1338.	2.4	97
90	Potential Hazard to Human Health from Exposure to Fragments of Lead Bullets and Shot in the Tissues of Game Animals. <i>PLoS ONE</i> , 2010, 5, e10315.	1.1	97

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91	The dynamics of arsenic in four paddy fields in the Bengal delta. <i>Environmental Pollution</i> , 2011, 159, 947-953.	3.7	95
92	Arsenate, arsenite and dimethyl arsenic acid (DMA) uptake and tolerance in maize ( <i>Zea mays</i> L.). <i>Plant and Soil</i> , 2008, 304, 277-289.	1.8	92
93	Influence of Phosphate on the Arsenic Uptake by Wheat ( <i>Triticum durum</i> L.) Irrigated with Arsenic Solutions at Three Different Concentrations. <i>Water, Air, and Soil Pollution</i> , 2009, 197, 371-380.	1.1	92
94	Arsenic & Rice. , 2012, , .		92
95	Total arsenic, inorganic arsenic, and other elements concentrations in Italian rice grain varies with origin and type. <i>Environmental Pollution</i> , 2013, 181, 38-43.	3.7	91
96	Scopoletin 8-hydroxylase: a novel enzyme involved in coumarin biosynthesis and iron-deficiency responses in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 1735-1748.	2.4	86
97	An arsenate tolerance gene on chromosome 6 of rice. <i>New Phytologist</i> , 2004, 163, 45-49.	3.5	85
98	High affinity phosphate/arsenate transport in white lupin ( <i>Lupinus albus</i> ) is relatively insensitive to phosphate status. <i>New Phytologist</i> , 2003, 158, 165-173.	3.5	84
99	The impact of a rice based diet on urinary arsenic. <i>Journal of Environmental Monitoring</i> , 2011, 13, 257-265.	2.1	83
100	Diclofenac residues in carcasses of domestic ungulates available to vultures in India. <i>Environment International</i> , 2007, 33, 759-765.	4.8	82
101	Inorganic arsenic and trace elements in Ghanaian grain staples. <i>Environmental Pollution</i> , 2011, 159, 2435-2442.	3.7	82
102	Grain Accumulation of Selenium Species in Rice ( <i>Oryza sativa</i> L.). <i>Environmental Science &amp; Technology</i> , 2012, 46, 5557-5564.	4.6	82
103	Effect of organic matter amendment, arsenic amendment and water management regime on rice grain arsenic species. <i>Environmental Pollution</i> , 2013, 177, 38-47.	3.7	82
104	The role of the plasmalemma in metal tolerance in angiosperms. <i>Physiologia Plantarum</i> , 1993, 88, 191-198.	2.6	82
105	Downstream changes in the transport and storage of sediment-associated contaminants (P, Cr and) <i>Tj ETQq1 1 0.784314 rgBT /Overbo</i> 177-186.	3.9	81
106	Sprinkler irrigation of rice fields reduces grain arsenic but enhances cadmium. <i>Science of the Total Environment</i> , 2014, 485-486, 468-473.	3.9	81
107	Lead concentrations in bones and feathers of the globally threatened Spanish imperial eagle. <i>Biological Conservation</i> , 2005, 121, 603-610.	1.9	80
108	Arsenic Behaviour from Groundwater and Soil to Crops: Impacts on Agriculture and Food Safety. <i>Reviews of Environmental Contamination and Toxicology</i> , 2007, 189, 43-87.	0.7	80

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109	Optimizing Peri-URban Ecosystems (PURE) to re-couple urban-rural symbiosis. <i>Science of the Total Environment</i> , 2017, 586, 1085-1090.	3.9	80
110	A review of recent developments in the speciation and location of arsenic and selenium in rice grain. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 3275-3286.	1.9	79
111	Can we trust mass spectrometry for determination of arsenic peptides in plants: comparison of LC-ICP-MS and LC-ES-MS/ICP-MS with XANES/EXAFS in analysis of <i>Thunbergia alata</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1739-1751.	1.9	78
112	Lead in rice: Analysis of baseline lead levels in market and field collected rice grains. <i>Science of the Total Environment</i> , 2014, 485-486, 428-434.	3.9	78
113	Mechanisms of Plant Resistance to Metal and Metalloid Ions and Potential Biotechnological Applications. <i>Plant and Soil</i> , 2005, 274, 163-174.	1.8	77
114	Pentavalent Arsenic Can Bind to Biomolecules. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2594-2597.	7.2	77
115	Arsenic and selenium mobilisation from organic matter treated mine spoil with and without inorganic fertilisation. <i>Environmental Pollution</i> , 2013, 173, 238-244.	3.7	77
116	Genetic correlation between arsenate tolerance and the rate of influx of arsenate and phosphate in <i>Holcus lanatus</i> L.. <i>Heredity</i> , 1992, 69, 336-341.	1.2	75
117	Assessing the Labile Arsenic Pool in Contaminated Paddy Soils by Isotopic Dilution Techniques and Simple Extractions. <i>Environmental Science &amp; Technology</i> , 2011, 45, 4262-4269.	4.6	75
118	Assessment of bioavailable arsenic and copper in soils and sediments from the Antofagasta region of northern Chile. <i>Science of the Total Environment</i> , 2002, 286, 51-59.	3.9	74
119	After the Aznalc��llar mine spill: Arsenic, zinc, selenium, lead and copper levels in the livers and bones of five waterfowl species. <i>Environmental Research</i> , 2006, 100, 349-361.	3.7	74
120	Baseline Soil Variation Is a Major Factor in Arsenic Accumulation in Bengal Delta Paddy Rice. <i>Environmental Science &amp; Technology</i> , 2009, 43, 1724-1729.	4.6	74
121	Alternate wetting and drying irrigation for rice in Bangladesh: Is it sustainable and has plant breeding something to offer?. <i>Food and Energy Security</i> , 2013, 2, 120-129.	2.0	74
122	Biotransformation and Accumulation of Arsenic in Soil Amended with Seaweed. <i>Environmental Science &amp; Technology</i> , 2003, 37, 951-957.	4.6	73
123	Dioxins released from chemical accidents. <i>Nature</i> , 1995, 375, 353-354.	13.7	71
124	Arsenic accumulation and phosphorus status in two rice ( <i>Oryza sativa</i> L.) cultivars surveyed from fields in South China. <i>Environmental Pollution</i> , 2010, 158, 1536-1541.	3.7	71
125	Arsenic-speciation in arsenate-resistant and non-resistant populations of the earthworm, <i>Lumbricus rubellus</i> . <i>Journal of Environmental Monitoring</i> , 2002, 4, 603-608.	2.1	70
126	Use of an earthworm lysosomal biomarker for the ecological assessment of pollution from an industrial plastics fire. <i>Applied Soil Ecology</i> , 1996, 3, 99-107.	2.1	69



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127	Inorganic arsenic levels in rice milk exceed EU and US drinking water standards. <i>Journal of Environmental Monitoring</i> , 2008, 10, 428.	2.1	68
128	Interactions between ectomycorrhizal fungi and soil saprotrophs: implications for decomposition of organic matter in soils and degradation of organic pollutants in the rhizosphere. <i>Canadian Journal of Botany</i> , 2002, 80, 803-809.	1.2	67
129	The fungal microbiota of de-novo paediatric inflammatory bowel disease. <i>Microbes and Infection</i> , 2015, 17, 304-310.	1.0	67
130	Carbon distribution within the plant and rhizosphere in laboratory and field-grown <i>Lolium perenne</i> at different stages of development. <i>Soil Biology and Biochemistry</i> , 1990, 22, 471-477.	4.2	65
131	Getting to the bottom of arsenic standards and guidelines. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4395-4399.	4.6	65
132	Enhanced transfer of arsenic to grain for Bangladesh grown rice compared to US and EU. <i>Environment International</i> , 2009, 35, 476-479.	4.8	64
133	Apparent tolerance of turkey vultures ( <i>Cathartes aura</i> ) to the non-steroidal anti-inflammatory drug diclofenac. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 2341-2345.	2.2	63
134	Rice Grain Cadmium Concentrations in the Global Supply-Chain. <i>Exposure and Health</i> , 2020, 12, 869-876.	2.8	63
135	Lux-biosensor assessment of pH effects on microbial sorption and toxicity of chlorophenols. <i>FEMS Microbiology Letters</i> , 1999, 174, 273-278.	0.7	62
136	Resistance to copper toxicity in populations of the earthworms <i>Lumbricus rubellus</i> and <i>Dendrodrilus rubidus</i> from contaminated mine wastes. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 2336-2341.	2.2	61
137	Geographical variation in inorganic arsenic in paddy field samples and commercial rice from the Iberian Peninsula. <i>Food Chemistry</i> , 2016, 202, 356-363.	4.2	61
138	Relationship between plant phosphorus status and the kinetics of arsenate influx in clones of <i>Deschampsia cespitosa</i> (L.) Beauv. that differ in their tolerance to arsenate. <i>Plant and Soil</i> , 1994, 162, 99-106.	1.8	60
139	Age-Associated Changes of Brain Copper, Iron, and Zinc in Alzheimer's Disease and Dementia with Lewy Bodies. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 1407-1413.	1.2	59
140	In utero exposure to cigarette chemicals induces sex-specific disruption of one-carbon metabolism and DNA methylation in the human fetal liver. <i>BMC Medicine</i> , 2015, 13, 18.	2.3	58
141	Assessment of toxicological interactions of benzene and its primary degradation products (catechol) <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i> <i>Environmental Science &amp; Technology</i> , 1997, 16, 849-856.	2.2	57
142	Lead contamination and associated disease in captive and reintroduced red kites <i>Milvus milvus</i> in England. <i>Science of the Total Environment</i> , 2007, 376, 116-127.	3.9	57
143	Analysis of Nine NSAIDs in Ungulate Tissues Available to Critically Endangered Vultures in India. <i>Environmental Science &amp; Technology</i> , 2009, 43, 4561-4566.	4.6	57
144	Mucosal Microbiome in Patients with Recurrent Aphthous Stomatitis. <i>Journal of Dental Research</i> , 2015, 94, 875-945.	2.5	57

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145	Diclofenac disposition in Indian cow and goat with reference to Gyps vulture population declines. <i>Environmental Pollution</i> , 2007, 147, 60-65.	3.7	56
146	Identification of tetramethylarsonium in rice grains with elevated arsenic content. <i>Journal of Environmental Monitoring</i> , 2011, 13, 32-34.	2.1	56
147	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.	6.6	56
148	Cadmium and lead in vegetable and fruit produce selected from specific regional areas of the UK. <i>Science of the Total Environment</i> , 2015, 533, 520-527.	3.9	55
149	Toxicity assessment of xenobiotic contaminated groundwater using lux modified <i>Pseudomonas fluorescens</i> . <i>Chemosphere</i> , 1997, 35, 1967-1985.	4.2	54
150	Toxic interactions of metal ions (Cd <sup>2+</sup> , Pb <sup>2+</sup> , Zn <sup>2+</sup> and Sb <sup>3+</sup> ) on in vitro biomass production of ectomycorrhizal fungi. <i>New Phytologist</i> , 1997, 137, 551-562.	3.5	54
151	Arsenic Shoot-Grain Relationships in Field Grown Rice Cultivars. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1471-1477.	4.6	54
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159	Identification of quantitative trait loci for rice grain element composition on an arsenic impacted soil: Influence of flowering time on genetic loci. <i>Annals of Applied Biology</i> , 2012, 161, 46-56.	1.3	49
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188	Concentrations of urinary arsenic species in relation to rice and seafood consumption among children living in Spain. <i>Environmental Research</i> , 2017, 159, 69-75.	3.7	35
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190	Cable correction of membrane currents recorded from root hairs of <i>Arabidopsis thaliana</i> L.. <i>Journal of Experimental Botany</i> , 1994, 45, 1-6.	2.4	34
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198	Assessment of flux-marked <i>Pseudomonas fluorescens</i> for reporting on organic carbon compounds. <i>FEMS Microbiology Letters</i> , 1999, 176, 79-83.	0.7	32

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272	Levels of Arsenic and Other Trace Elements in Southern Libyan Agricultural Irrigated Soil and Non-irrigated Soil Projects. <i>Water Quality, Exposure, and Health</i> , 2011, 3, 79-90.	1.5	9
273	Effect of phosphorus on arsenic uptake and metabolism in rice cultivars differing in phosphorus use efficiency and response. <i>Anais Da Academia Brasileira De Ciencias</i> , 2017, 89, 163-174.	0.3	9
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280	ASSESSMENT OF TOXICOLOGICAL INTERACTIONS OF BENZENE AND ITS PRIMARY DEGRADATION PRODUCTS (CATECHOL AND PHENOL) USING A <i>lux</i> -MODIFIED BACTERIAL BIOASSAY. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 849.	2.2	8
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282	Feed-derived iodine overrides environmental contribution to cow milk. <i>Journal of Dairy Science</i> , 2020, 103, 6930-6939.	1.4	7
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286	Risk from Arsenic in Rice Grain. , 2012, , 31-50.		6
287	Industrial accidents involving release of chemicals into the environment: <i>Ecotoxicology. Environmental Technology (United Kingdom)</i> , 1994, 15, 1041-1050.	1.2	5
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