Andy A Meharg

List of Publications by Year in Descending Order

313 papers	27,564 citations	85 h-index	158 g-index
330 ext. papers	30,129 ext. citations	7.8 avg, IF	7.21 L-index

#	Paper	IF	Citations
313	The Pedosphere as a Sink, Source, and Record of Anthropogenic and Natural Arsenic Atmospheric Deposition. *Environmental Science & Technology*, **2021**, 55, 7757-7769	10.3	1
312	Reducing the cadmium, inorganic arsenic and dimethylarsinic acid content of rice through food-safe chemical cooking pre-treatment. *Food Chemistry*, **2021**, 338, 127842	8.5	3
311	Arsenic dynamics in paddy soil under traditional manuring practices in Bangladesh. *Environmental Pollution*, **2021**, 268, 115821	9.3	4
310	Avoiding Rice-Based Cadmium and Inorganic Arsenic in Infant Diets Through Selection of Products Low in Concentration of These Contaminants. *Exposure and Health*, **2021**, 13, 229-235	8.8	2
309	Geochemical variability in the soils of Bangladesh as affected by sources of irrigation water and inundation land types. *SN Applied Sciences*, **2021**, 3, 1	1.8	1
308	Feed-derived iodine overrides environmental contribution to cow milk. *Journal of Dairy Science*, **2020**, 103, 6930-6939	4	1
307	Rice Grain Cadmium Concentrations in the Global Supply-Chain. *Exposure and Health*, **2020**, 12, 869-876	8.8	26
306	Water Dilutes and Alcohol Concentrates Urinary Arsenic Species When Food is the Dominant Source of Exposure. *Exposure and Health*, **2020**, 12, 699-710	8.8	5
305	Global Sourcing of Low-Inorganic Arsenic Rice Grain. *Exposure and Health*, **2020**, 12, 711-719	8.8	22
304	Dissolved organic matter differentially influences arsenic methylation and volatilization in paddy soils. *Journal of Hazardous Materials*, **2020**, 388, 121795	12.8	18
303	Mitigation of arsenic accumulation in rice: An agronomical, physico-chemical, and biological approach – A critical review. *Critical Reviews in Environmental Science and Technology*, **2020**, 50, 31-71	11.1	28
302	Iodine status of teenage girls on the island of Ireland. *European Journal of Nutrition*, **2020**, 59, 1859-1867	5.2	7
301	Maritime Deposition of Organic and Inorganic Arsenic. *Environmental Science & Technology*, **2019**, 53, 7288-7295	10.3	7
300	Inorganic arsenic exposure and neuropsychological development of children of 4-5 years of age living in Spain. *Environmental Research*, **2019**, 174, 135-142	7.9	23
299	Modifying the Parboiling of Rice to Remove Inorganic Arsenic, While Fortifying with Calcium. *Environmental Science & Technology*, **2019**, 53, 5249-5255	10.3	12
298	Inhibition of Microbial Methylation via arsM in the Rhizosphere: Arsenic Speciation in the Soil to Plant Continuum. *Environmental Science & Technology*, **2019**, 53, 3451-3463	10.3	16
297	Degradation of tetracyclines in manure-amended soil and their uptake by litchi (Litchi chinensis Sonn.). *Environmental Science and Pollution Research*, **2019**, 26, 6209-6215	5.1	5

296	Phytolith content in Vietnamese paddy soils in relation to soil properties. *Geoderma*, **2019**, 333, 200-213	6.7	22
295	Soil attribute regulates assimilation of roxarsone metabolites by rice (Oryza sativa L.). *Ecotoxicology and Environmental Safety*, **2019**, 184, 109660	7	3
294	Microbial transformation of arsenic in Bengal floodplain **2019**, 265-267		
293	Source Identification of Trace Elements in Peri-urban Soils in Eastern China. *Exposure and Health*, **2019**, 11, 195-207	8.8	8
292	Fern, Dicranopteris linearis, derived phytoliths in soil: Morphotypes, solubility and content in relation to soil properties. *European Journal of Soil Science*, **2019**, 70, 507-517	3.4	16
291	Arsenic speciation dynamics in paddy rice soil-water environment: sources, physico-chemical, and biological factors - A review. *Water Research*, **2018**, 140, 403-414	12.5	150
290	Phytolith-associated potassium in fern: characterization, dissolution properties and implications for slash-and-burn agriculture. *Soil Use and Management*, **2018**, 34, 28-36	3.1	13
289	Elemental distribution in developing rice grains and the effect of flag-leaf arsenate exposure. *Environmental and Experimental Botany*, **2018**, 149, 51-58	5.9	15
288	Scopoletin 8-hydroxylase: a novel enzyme involved in coumarin biosynthesis and iron-deficiency responses in Arabidopsis. *Journal of Experimental Botany*, **2018**, 69, 1735-1748	7	44
287	Microbiome and ecotypic adaption of Holcus lanatus (L.) to extremes of its soil pH range, investigated through transcriptome sequencing. *Microbiome*, **2018**, 6, 48	16.6	13
286	Low inorganic arsenic in hydrolysed rice formula used for cowPs milk protein allergy. *Pediatric Allergy and Immunology*, **2018**, 29, 561-563	4.2	8
285	Biovolatilization of Arsenic as Arsines from Seawater. *Environmental Science & Technology*, **2018**, 52, 3968-3974	10.3	15
284	Physiographical variability in arsenic dynamics in Bangladeshi soils. *Science of the Total Environment* , **2018**, 612, 1365-1372	10.2	14
283	The role of sulfate-reducing prokaryotes in the coupling of element biogeochemical cycling. *Science of the Total Environment*, **2018**, 613-614, 398-408	10.2	23
282	InfantsPdietary arsenic exposure during transition to solid food. *Scientific Reports*, **2018**, 8, 7114	4.9	18
281	Arsenic accumulation in rice (Oryza sativa L.) is influenced by environment and genetic factors. *Science of the Total Environment*, **2018**, 642, 485-496	10.2	65
280	Dilution of rice with other gluten free grains to lower inorganic arsenic in foods for young children in response to European Union regulations provides impetus to setting stricter standards. *PLoS ONE*, **2018**, 13, e0194700	3.7	13
279	Opportunities and Challenges for Dietary Arsenic Intervention. *Environmental Health Perspectives*, **2018**, 126, 84503	8.4	20

278	Understanding arsenic dynamics in agronomic systems to predict and prevent uptake by crop plants. *Science of the Total Environment*, **2017**, 581-582, 209-220	10.2	132
277	Optimizing Peri-URban Ecosystems (PURE) to re-couple urban-rural symbiosis. *Science of the Total Environment*, **2017**, 586, 1085-1090	10.2	58
276	Arsenic in Bangladeshi soils related to physiographic region, paddy management, and mirco- and macro-elemental status. *Science of the Total Environment*, **2017**, 590-591, 406-415	10.2	21
275	Fine-mapping of genes determining extrafusal fiber properties in murine soleus muscle. *Physiological Genomics*, **2017**, 49, 141-150	3.6	9
274	Inorganic arsenic removal in rice bran by percolating cooking water. *Food Chemistry*, **2017**, 234, 76-80	8.5	28
273	Characterization and dissolution properties of phytolith occluded phosphorus in rice straw. *Soil and Tillage Research*, **2017**, 171, 19-24	6.5	32
272	Linking Genes to Microbial Biogeochemical Cycling: Lessons from Arsenic. *Environmental Science & Technology*, **2017**, 51, 7326-7339	10.3	142
271	Urinary Arsenic Speciation in Children and Pregnant Women from Spain. *Exposure and Health*, **2017**, 9, 105-111	8.8	20
270	Elevated Trimethylarsine Oxide and Inorganic Arsenic in Northern Hemisphere Summer Monsoonal Wet Deposition. *Environmental Science & Technology*, **2017**, 51, 12210-12218	10.3	11
269	Levels of infantsPurinary arsenic metabolites related to formula feeding and weaning with rice products exceeding the EU inorganic arsenic standard. *PLoS ONE*, **2017**, 12, e0176923	3.7	23
268	Effect of phosphorus on arsenic uptake and metabolism in rice cultivars differing in phosphorus use efficiency and response. *Anais Da Academia Brasileira De Ciencias*, **2017**, 89, 163-174	1.4	5
267	Concentrations of urinary arsenic species in relation to rice and seafood consumption among children living in Spain. *Environmental Research*, **2017**, 159, 69-75	7.9	25
266	Cobalamin Concentrations in Fetal Liver Show Gender Differences: A Result from Using a High-Pressure Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry as an Ultratrace Cobalt Speciation Method. *Analytical Chemistry*, **2016**, 88, 12419-12426	7.8	2
265	Assessing the Legacy of Red Mud Pollution in a Shallow Freshwater Lake: Arsenic Accumulation and Speciation in Macrophytes. *Environmental Science & Technology*, **2016**, 50, 9044-52	10.3	32
264	Inorganic arsenic in rice-based products for infants and young children. *Food Chemistry*, **2016**, 191, 128-34	8.5	107
263	Geographical variation in inorganic arsenic in paddy field samples and commercial rice from the Iberian Peninsula. *Food Chemistry*, **2016**, 202, 356-63	8.5	46
262	Validating the use of intrinsic markers in body feathers to identify inter-individual differences in non-breeding areas of northern fulmars. *Marine Biology*, **2016**, 163, 64	2.5	5
261	Comment on "Effects of Arsenite during Fetal Development on Energy Metabolism and Susceptibility to Diet-Induced Fatty Liver Diseases in Male Mice" and "Mechanisms Underlying Latent Disease Risk Associated with Early-Life Arsenic Exposure: Current Trends and Scientific Gaps". *Environmental Health Perspectives*, **2016**, 124, A99	8.4	2

260	Distribution of soil selenium in China is potentially controlled by deposition and volatilization?. *Scientific Reports*, **2016**, 6, 20953	4.9	31
259	Perspective: City farming needs monitoring. *Nature*, **2016**, 531, S60	50.4	21
258	Mucosal microbiome in patients with recurrent aphthous stomatitis. *Journal of Dental Research*, **2015**, 94, 87S-94S	8.1	45
257	The fungal microbiota of de-novo paediatric inflammatory bowel disease. *Microbes and Infection*, **2015**, 17, 304-10	9.3	57
256	Silicon, the silver bullet for mitigating biotic and abiotic stress, and improving grain quality, in rice?. *Environmental and Experimental Botany*, **2015**, 120, 8-17	5.9	170
255	In utero exposure to cigarette chemicals induces sex-specific disruption of one-carbon metabolism and DNA methylation in the human fetal liver. *BMC Medicine*, **2015**, 13, 18	11.4	48
254	Cadmium and lead in vegetable and fruit produce selected from specific regional areas of the UK. *Science of the Total Environment*, **2015**, 533, 520-7	10.2	44
253	Quantitative measurement of [Na+] and [K+] in postmortem human brain tissue indicates disturbances in subjects with Alzheimer's disease and dementia with Lewy bodies. *Journal of Alzheimer's Disease*, **2015**, 44, 851-7	4.3	11
252	Rethinking Rice Preparation for Highly Efficient Removal of Inorganic Arsenic Using Percolating Cooking Water. *PLoS ONE*, **2015**, 10, e0131608	3.7	35
251	Protecting global soil resources for ecosystem services. *Ecosystem Health and Sustainability*, **2015**, 1, 1-4	3.7	6
250	Lead in rice: analysis of baseline lead levels in market and field collected rice grains. *Science of the Total Environment*, **2014**, 485-486, 428-434	10.2	53
249	Trait-directed de novo population transcriptome dissects genetic regulation of a balanced polymorphism in phosphorus nutrition/arsenate tolerance in a wild grass, Holcus lanatus. *New Phytologist*, **2014**, 201, 144-154	9.8	4
248	Urinary excretion of arsenic following rice consumption. *Environmental Pollution*, **2014**, 194, 181-187	9.3	33
247	Age-associated changes of brain copper, iron, and zinc in Alzheimer's disease and dementia with Lewy bodies. *Journal of Alzheimer's Disease*, **2014**, 42, 1407-13	4.3	44
246	Conserved histidine of metal transporter AtNRAMP1 is crucial for optimal plant growth under manganese deficiency at chilling temperatures. *New Phytologist*, **2014**, 202, 1173-1183	9.8	21
245	Sprinkler irrigation of rice fields reduces grain arsenic but enhances cadmium. *Science of the Total Environment*, **2014**, 485-486, 468-473	10.2	66
244	Consistency of arsenic speciation in global tobacco products with implications for health and regulation. *Tobacco Induced Diseases*, **2014**, 12, 24	3.2	12
243	Genome wide association mapping of grain arsenic, copper, molybdenum and zinc in rice (Oryza sativa L.) grown at four international field sites. *PLoS ONE*, **2014**, 9, e89685	3.7	132

242	A review on completing arsenic biogeochemical cycle: microbial volatilization of arsines in environment. *Journal of Environmental Sciences*, **2014**, 26, 371-81	6.4	107
241	Impacts of Gold Mining on Rice Production in the Anum Valley of Ghana. *Agricultural Sciences*, **2014**, 05, 793-804	0.4	1
240	Milling plant and soil material in plastic tubes over-estimates carbon and under-estimates nitrogen concentrations. *Plant and Soil*, **2013**, 369, 509-513	4.2	5
239	Arsenic and selenium mobilisation from organic matter treated mine spoil with and without inorganic fertilisation. *Environmental Pollution*, **2013**, 173, 238-44	9.3	69
238	A balanced polymorphism in biomass resource allocation controlled by phosphate in grasses screened through arsenate tolerance. *Environmental and Experimental Botany*, **2013**, 96, 43-51	5.9	1
237	Effect of organic matter amendment, arsenic amendment and water management regime on rice grain arsenic species. *Environmental Pollution*, **2013**, 177, 38-47	9.3	63
236	Methylated arsenic species in rice: geographical variation, origin, and uptake mechanisms. *Environmental Science & Technology*, **2013**, 47, 3957-66	10.3	205
235	Variation in rice cadmium related to human exposure. *Environmental Science & Technology*, **2013**, 47, 5613-8	10.3	274
234	Arsenic speciation and localization in horticultural produce grown in a historically impacted mining region. *Environmental Science & Technology*, **2013**, 47, 6164-72	10.3	24
233	Total arsenic, inorganic arsenic, and other elements concentrations in Italian rice grain varies with origin and type. *Environmental Pollution*, **2013**, 181, 38-43	9.3	81
232	Poisoning from lead gunshot: still a threat to wild waterbirds in Britain. *European Journal of Wildlife Research*, **2013**, 59, 195-204	2	26
231	Alternate wetting and drying irrigation for rice in Bangladesh: Is it sustainable and has plant breeding something to offer?. *Food and Energy Security*, **2013**, 2, 120-129	4.1	54
230	Inorganic arsenic contents in rice-based infant foods from Spain, UK, China and USA. *Environmental Pollution*, **2012**, 163, 77-83	9.3	104
229	Identification of quantitative trait loci for rice grain element composition on an arsenic impacted soil: Influence of flowering time on genetic loci. *Annals of Applied Biology*, **2012**, 161, 46-56	2.6	35
228	Risk assessment of potentially toxic elements in agricultural soils and maize tissues from selected districts in Tanzania. *Science of the Total Environment*, **2012**, 416, 180-6	10.2	42
227	A review of recent developments in the speciation and location of arsenic and selenium in rice grain. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 3275-86	4.4	73
226	Essential and toxic elements in infant foods from Spain, UK, China and USA. *Journal of Environmental Monitoring*, **2012**, 14, 2447-55		29
225	Spatial heterogeneity and kinetic regulation of arsenic dynamics in mangrove sediments: the Sundarbans, Bangladesh. *Environmental Science & Technology*, **2012**, 46, 8645-52	10.3	29

224	Grain accumulation of selenium species in rice (Oryza sativa L.). *Environmental Science & Technology*, **2012**, 46, 5557-64	10.3	59
223	First comprehensive peat depositional records for tin, lead and copper associated with the antiquity of Europe's largest cassiterite deposits. *Journal of Archaeological Science*, **2012**, 39, 717-727	2.9	29
222	Arsenic in Rice Grown in Low-Arsenic Environments in Bangladesh. *Water Quality, Exposure, and Health*, **2012**, 4, 197-208		8
221	Arsenic & Rice **2012**,		75
220	Hydrogeochemistry and Arsenic Contamination of Groundwater in the Haor Basins of Bangladesh. *Water Quality, Exposure, and Health*, **2012**, 4, 67-78		11
219	Methylated arsenic species in plants originate from soil microorganisms. *New Phytologist*, **2012**, 193, 665-672	9.8	253
218	Variation in grain arsenic assessed in a diverse panel of rice (Oryza sativa) grown in multiple sites. *New Phytologist*, **2012**, 193, 650-664	9.8	108
217	Biogeochemistry of Arsenic in Paddy Environments **2012**, 71-101		10
216	Elevated copper in urine of Bangladeshi ethnic group living in the United Kingdom. *Biomedical Spectroscopy and Imaging*, **2012**, 1, 355-364	1.3	
215	Effect of heating vermiculites on extractability of phosphorus and some essential plant micronutrients. *Clay Minerals*, **2012**, 47, 365-371	1.3	
214	Arsenic in Rice Grain **2012**, 11-30		1
213	Risk from Arsenic in Rice Grain **2012**, 31-50		5
212	Sources and Losses of Arsenic to Paddy Fields **2012**, 51-69		1
211	The Physiology of Arsenic in Rice **2012**, 103-138		4
210	Strategies for Producing Low Arsenic Rice **2012**, 139-151		2
209	Arsenic in Other Crops **2012**, 153-166		
208	Identification of tetramethylarsonium in rice grains with elevated arsenic content. *Journal of Environmental Monitoring*, **2011**, 13, 32-4		47
207	Organic matter-solid phase interactions are critical for predicting arsenic release and plant uptake in Bangladesh paddy soils. *Environmental Science & Technology*, **2011**, 45, 6080-7	10.3	147

206	The impact of a rice based diet on urinary arsenic. *Journal of Environmental Monitoring*, **2011**, 13, 257-65		74
205	A field and reactive transport model study of arsenic in a basaltic rock aquifer. *Applied Geochemistry*, **2011**, 26, 553-564	3.5	12
204	Phloem transport of arsenic species from flag leaf to grain during grain filling. *New Phytologist*, **2011**, 192, 87-98	9.8	146
203	Effects of phosphate on arsenate and arsenite sensitivity in two rice (Oryza sativa L.) cultivars of different sensitivity. *Environmental and Experimental Botany*, **2011**, 72, 47-52	5.9	31
202	The dynamics of arsenic in four paddy fields in the Bengal delta. *Environmental Pollution*, **2011**, 159, 947-53	5.5	82
201	Inorganic arsenic and trace elements in Ghanaian grain staples. *Environmental Pollution*, **2011**, 159, 2435-42	5.5	65
200	Levels of Arsenic and Other Trace Elements in Southern Libyan Agricultural Irrigated Soil and Non-irrigated Soil Projects. *Water Quality, Exposure, and Health*, **2011**, 3, 79-90		7
199	Field fluxes and speciation of arsines emanating from soils. *Environmental Science & Technology*, **2011**, 45, 1798-804	10.3	115
198	Assessing the labile arsenic pool in contaminated paddy soils by isotopic dilution techniques and simple extractions. *Environmental Science & Technology*, **2011**, 45, 4262-9	10.3	61
197	Accessory Minerals and Potentially Toxic Elements in Tanzanian Vermiculites with Respect to Agricultural Applications. *Communications in Soil Science and Plant Analysis*, **2011**, 42, 1123-1142	1.5	1
196	Arsenic is not stored as arsenite - phytochelatin complexes in the seaweeds Fucus spiralis and Hizikia fusiforme. *Environmental Chemistry*, **2011**, 8, 30	3.2	11
195	Potential hazard to human health from exposure to fragments of lead bullets and shot in the tissues of game animals. *PLoS ONE*, **2010**, 5, e10315	3.7	70
194	Toxicity of non-steroidal anti-inflammatory drugs to Gyps vultures: a new threat from ketoprofen. *Biology Letters*, **2010**, 6, 339-41	3.6	86
193	Arsenic influence on genetic variation in grain trace-element nutrient content in Bengal delta grown rice. *Environmental Science & Technology*, **2010**, 44, 8284-8	10.3	27
192	Arsenic shoot-grain relationships in field grown rice cultivars. *Environmental Science & Technology*, **2010**, 44, 1471-7	10.3	51
191	Getting to the bottom of arsenic standards and guidelines. *Environmental Science & Technology*, **2010**, 44, 4395-9	10.3	54
190	Quantitative and qualitative trapping of volatile methylated selenium species entrained through nitric acid. *Environmental Science & Technology*, **2010**, 44, 382-7	10.3	28
189	Accumulation or production of arsenobetaine in humans?. *Journal of Environmental Monitoring*, **2010**, 12, 832-7		44

188	Characterizing Pb mobilization from upland soils to streams using (206)Pb/(207)Pb isotopic ratios. *Environmental Science & Technology*, **2010**, 44, 243-9	10.3	29
187	Grain unloading of arsenic species in rice. *Plant Physiology*, **2010**, 152, 309-19	6.6	231
186	Arsenic as a food chain contaminant: mechanisms of plant uptake and metabolism and mitigation strategies. *Annual Review of Plant Biology*, **2010**, 61, 535-59	30.7	854
185	Variations in Concentrations of Arsenic and Other Potentially Toxic Elements in Mine and Paddy Soils and Irrigation Waters from Southern Ghana. *Water Quality, Exposure, and Health*, **2010**, 2, 115-124		5
184	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	4.2	198
183	Arsenic accumulation and phosphorus status in two rice (Oryza sativa L.) cultivars surveyed from fields in South China. *Environmental Pollution*, **2010**, 158, 1536-41	9.3	55
182	Mineralogical and chemical characterization of some vermiculites from the Mozambique Belt of Tanzania for agricultural use. *Clay Minerals*, **2009**, 44, 1-17	1.3	4
181	Selenium characterization in the global rice supply chain. *Environmental Science & Technology*, **2009**, 43, 6024-30	10.3	162
180	Land use history of Village Bay, Hirta, St Kilda World Heritage Site: A palynological investigation of plaggen soils. *Review of Palaeobotany and Palynology*, **2009**, 153, 46-61	1.7	10
179	Influence of Phosphate on the Arsenic Uptake by Wheat (Triticum durum L.) Irrigated with Arsenic Solutions at Three Different Concentrations. *Water, Air, and Soil Pollution*, **2009**, 197, 371-380	2.6	78
178	Small genetic differences between ericoid mycorrhizal fungi affect nitrogen uptake by Vaccinium. *New Phytologist*, **2009**, 181, 708-18	9.8	31
177	Arsenic uptake and metabolism in plants. *New Phytologist*, **2009**, 181, 777-794	9.8	837
176	Speciation and distribution of arsenic and localization of nutrients in rice grains. *New Phytologist*, **2009**, 184, 193-201	9.8	202
175	An arsenic-accumulating, hypertolerant brassica, Isatis capadocica. *New Phytologist*, **2009**, 184, 41-47	9.8	88
174	The molecular form of mercury in biota: identification of novel mercury peptide complexes in plants. *Chemical Communications*, **2009**, 4257-9	5.8	84
173	Response to the Comment by Van Geen and Duxbury. *Environmental Science & Technology*, **2009**, 43, 3972-3973	10.3	3
172	Quantitative and qualitative trapping of arsines deployed to assess loss of volatile arsenic from paddy soil. *Environmental Science & Technology*, **2009**, 43, 8270-5	10.3	98
171	Metal levels in the bones and livers of globally threatened marbled teal and white-headed duck from El Hondo, Spain. *Ecotoxicology and Environmental Safety*, **2009**, 72, 1-9	7	29

170	Enhanced transfer of arsenic to grain for Bangladesh grown rice compared to US and EU. *Environment International*, **2009**, 35, 476-9	12.9	56
169	Survey of arsenic and its speciation in rice products such as breakfast cereals, rice crackers and Japanese rice condiments. *Environment International*, **2009**, 35, 473-5	12.9	129
168	Arsenic mobilization from iron oxyhydroxides is regulated by organic matter carbon to nitrogen (C:N) ratio. *Environment International*, **2009**, 35, 480-4	12.9	25
167	Arsenic rich iron plaque on macrophyte roots--an ecotoxicological risk?. *Environmental Pollution*, **2009**, 157, 946-54	9.3	28
166	The effect of heating temperature on the properties of vermiculites from Tanzania with respect to potential agronomic applications. *Applied Clay Science*, **2009**, 43, 376-382	5.2	15
165	Selenium in higher plants: understanding mechanisms for biofortification and phytoremediation. *Trends in Plant Science*, **2009**, 14, 436-42	13.1	394
164	Arsenic limits trace mineral nutrition (selenium, zinc, and nickel) in Bangladesh rice grain. *Environmental Science & Technology*, **2009**, 43, 8430-6	10.3	80
163	Cooking rice in a high water to rice ratio reduces inorganic arsenic content. *Journal of Environmental Monitoring*, **2009**, 11, 41-4		125
162	Occurrence and partitioning of cadmium, arsenic and lead in mine impacted paddy rice: Hunan, China. *Environmental Science & Technology*, **2009**, 43, 637-42	10.3	361
161	Baseline soil variation is a major factor in arsenic accumulation in Bengal Delta paddy rice. *Environmental Science & Technology*, **2009**, 43, 1724-9	10.3	60
160	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. *Environmental Science & Technology*, **2009**, 43, 8381-6	10.3	125
159	Identification of low inorganic and total grain arsenic rice cultivars from Bangladesh. *Environmental Science & Technology*, **2009**, 43, 6070-5	10.3	133
158	Analysis of nine NSAIDs in ungulate tissues available to critically endangered vultures in India. *Environmental Science & Technology*, **2009**, 43, 4561-6	10.3	42
157	Arsenic speciation in Japanese rice drinks and condiments. *Journal of Environmental Monitoring*, **2009**, 11, 1930-4		33
156	Geographical variation in total and inorganic arsenic content of polished (white) rice. *Environmental Science & Technology*, **2009**, 43, 1612-7	10.3	558
155	Growing rice aerobically markedly decreases arsenic accumulation. *Environmental Science & Technology*, **2008**, 42, 5574-9	10.3	486
154	Speciation and localization of arsenic in white and brown rice grains. *Environmental Science & Technology*, **2008**, 42, 1051-7	10.3	284
153	Inorganic arsenic in rice bran and its products are an order of magnitude higher than in bulk grain. *Environmental Science & Technology*, **2008**, 42, 7542-6	10.3	247

152	High percentage inorganic arsenic content of mining impacted and nonimpacted Chinese rice. *Environmental Science & Technology*, **2008**, 42, 5008-13	10.3	346
151	Inorganic arsenic levels in baby rice are of concern. *Environmental Pollution*, **2008**, 152, 746-9	9.3	154
150	Exposure to inorganic arsenic from rice: a global health issue?. *Environmental Pollution*, **2008**, 154, 169-71	9.3	298
149	Inorganic arsenic levels in rice milk exceed EU and US drinking water standards. *Journal of Environmental Monitoring*, **2008**, 10, 428-31		59
148	Regulation of arsenic mobility on basaltic glass surfaces by speciation and pH. *Environmental Science & Technology*, **2008**, 42, 8816-21	10.3	13
147	Rice-arsenate interactions in hydroponics: whole genome transcriptional analysis. *Journal of Experimental Botany*, **2008**, 59, 2267-76	7	191
146	Rice-arsenate interactions in hydroponics: a three-gene model for tolerance. *Journal of Experimental Botany*, **2008**, 59, 2277-84	7	30
145	Arsenate, arsenite and dimethyl arsinic acid (DMA) uptake and tolerance in maize (Zea mays L.). *Plant and Soil*, **2008**, 304, 277-289	4.2	81
144	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 Thunbergia alata. *Analytical and Bioanalytical Chemistry*, **2008**, 390, 1739-51	4.4	74
143	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. *Analytical and Bioanalytical Chemistry*, **2008**, 390, 1753-64	4.4	86
142	Apparent tolerance of turkey vultures (Cathartes aura) to the non-steroidal anti-inflammatory drug diclofenac. *Environmental Toxicology and Chemistry*, **2008**, 27, 2341-5	3.8	49
141	Effects of Arsenic-Contaminated Irrigation Water on Growth, Yield, and Nutrient Concentration in Rice. *Communications in Soil Science and Plant Analysis*, **2007**, 39, 302-313	1.5	22
140	Market basket survey shows elevated levels of As in South Central U.S. processed rice compared to California: consequences for human dietary exposure. *Environmental Science & Technology*, **2007**, 41, 2178-83	10.3	233
139	Greatly enhanced arsenic shoot assimilation in rice leads to elevated grain levels compared to wheat and barley. *Environmental Science & Technology*, **2007**, 41, 6854-9	10.3	542
138	Pentavalent arsenic can bind to biomolecules. *Angewandte Chemie - International Edition*, **2007**, 46, 2594-7	16.4	67
137	Identification of an arsenic tolerant double mutant with a thiol-mediated component and increased arsenic tolerance in phyA mutants. *Plant Journal*, **2007**, 49, 1064-75	6.9	25
136	Lead contamination and associated disease in captive and reintroduced red kites Milvus milvus in England. *Science of the Total Environment*, **2007**, 376, 116-27	10.2	46
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