Andy A Meharg

List of Publications by Year
in descending order

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315 papers	32,892 citations	90 h-index	171 g-index
330 all docs	330 docs citations	330 times ranked	16380 citing authors

#	Article	IF	Citations
1	Trace Elements and Arsenic Speciation of Field and Market Rice Samples in contrasting Agro-climatic Zones in Sri Lanka. Exposure and Health, 2023, 15, 133-144.	4.9	5
2	Embedded Health Risk from Arsenic in Globally Traded Rice. Environmental Science & Technology, 2022, 56, 6415-6425.	10.0	10
3	Reducing the cadmium, inorganic arsenic and dimethylarsinic acid content of rice through food-safe chemical cooking pre-treatment. Food Chemistry, 2021, 338, 127842.	8.2	13
4	Arsenic dynamics in paddy soil under traditional manuring practices in Bangladesh. Environmental Pollution, 2021, 268, 115821.	7.5	12
5	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.	4.9	4
6	Geochemical variability in the soils of Bangladesh as affected by sources of irrigation water and inundation land types. SN Applied Sciences, 2021, 3, 1.	2.9	3
7	The Pedosphere as a Sink, Source, and Record of Anthropogenic and Natural Arsenic Atmospheric Deposition. Environmental Science & Technology, 2021, 55, 7757-7769.	10.0	15
8	Mitigation of arsenic accumulation in rice: An agronomical, physico-chemical, and biological approach â€“ A critical review. Critical Reviews in Environmental Science and Technology, 2020, 50, 31-71.	12.8	56
9	Iodine status of teenage girls on the island of Ireland. European Journal of Nutrition, 2020, 59, 1859-1867.	3.9	16
10	Water Dilutes and Alcohol Concentrates Urinary Arsenic Species When Food is the Dominant Source of Exposure. Exposure and Health, 2020, 12, 699-710.	4.9	5
11	Global Sourcing of Low-Inorganic Arsenic Rice Grain. Exposure and Health, 2020, 12, 711-719.	4.9	43
12	Dissolved organic matter differentially influences arsenic methylation and volatilization in paddy soils. Journal of Hazardous Materials, 2020, 388, 121795.	12.4	38
13	Feed-derived iodine overrides environmental contribution to cow milk. Journal of Dairy Science, 2020, 103, 6930-6939.	3.4	7
14	Rice Grain Cadmium Concentrations in the Global Supply-Chain. Exposure and Health, 2020, 12, 869-876.	4.9	63
15	Phytolith content in Vietnamese paddy soils in relation to soil properties. Geoderma, 2019, 333, 200-213.	5.1	34
16	Soil attribute regulates assimilation of roxarsone metabolites by rice (Oryza sativa L.). Ecotoxicology and Environmental Safety, 2019, 184, 109660.	6.0	9
17	Maritime Deposition of Organic and Inorganic Arsenic. Environmental Science & Technology, 2019, 53, 7288-7295.	10.0	12
18	Inorganic arsenic exposure and neuropsychological development of children of 4â€“5 years of age living in Spain. Environmental Research, 2019, 174, 135-142.	7.5	45

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19	Modifying the Parboiling of Rice to Remove Inorganic Arsenic, While Fortifying with Calcium. Environmental Science & Technology, 2019, 53, 5249-5255.	10.0	20
20	Inhibition of Microbial Methylation via arsM in the Rhizosphere: Arsenic Speciation in the Soil to Plant Continuum. Environmental Science & Technology, 2019, 53, 3451-3463.	10.0	32
21	Degradation of tetracyclines in manure-amended soil and their uptake by litchi (Litchi chinensis) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.3	11
22	Source Identification of Trace Elements in Peri-urban Soils in Eastern China. Exposure and Health, 2019, 11, 195-207.	4.9	19
23	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.	3.9	20
24	Arsenic speciation dynamics in paddy rice soil-water environment: sources, physico-chemical, and biological factors - A review. Water Research, 2018, 140, 403-414.	11.3	244
25	Phytolithâ€associated potassium in fern: characterization, dissolution properties and implications for slashâ€andâ€burn agriculture. Soil Use and Management, 2018, 34, 28-36.	4.9	15
26	Elemental distribution in developing rice grains and the effect of flag-leaf arsenate exposure. Environmental and Experimental Botany, 2018, 149, 51-58.	4.2	19
27	Scopoletin 8-hydroxylase: a novel enzyme involved in coumarin biosynthesis and iron-deficiency responses in Arabidopsis. Journal of Experimental Botany, 2018, 69, 1735-1748.	4.8	86
28	Microbiome and ecotypic adaption of Holcus lanatus (L.) to extremes of its soil pH range, investigated through transcriptome sequencing. Microbiome, 2018, 6, 48.	11.1	29
29	Low inorganic arsenic in hydrolysed rice formula used for cow's milk protein allergy. Pediatric Allergy and Immunology, 2018, 29, 561-563.	2.6	20
30	Biovolatilization of Arsenic as Arsines from Seawater. Environmental Science & Technology, 2018, 52, 3968-3974.	10.0	23
31	Physiographical variability in arsenic dynamics in Bangladeshi soils. Science of the Total Environment, 2018, 612, 1365-1372.	8.0	18
32	The role of sulfate-reducing prokaryotes in the coupling of element biogeochemical cycling. Science of the Total Environment, 2018, 613-614, 398-408.	8.0	47
33	Opportunities and Challenges for Dietary Arsenic Intervention. Environmental Health Perspectives, 2018, 126, 84503.	6.0	32
34	Infantsâ€™ dietary arsenic exposure during transition to solid food. Scientific Reports, 2018, 8, 7114.	3.3	33
35	Arsenic accumulation in rice (Oryza sativa L.) is influenced by environment and genetic factors. Science of the Total Environment, 2018, 642, 485-496.	8.0	98
36	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.	2.5	20

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37	Understanding arsenic dynamics in agronomic systems to predict and prevent uptake by crop plants. Science of the Total Environment, 2017, 581-582, 209-220.	8.0	185
38	Optimizing Peri-URban Ecosystems (PURE) to re-couple urban-rural symbiosis. Science of the Total Environment, 2017, 586, 1085-1090.	8.0	80
39	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.	8.0	26
40	Fine-mapping of genes determining extrafusal fiber properties in murine soleus muscle. Physiological Genomics, 2017, 49, 141-150.	2.3	12
41	Inorganic arsenic removal in rice bran by percolating cooking water. Food Chemistry, 2017, 234, 76-80.	8.2	34
42	Characterization and dissolution properties of phytolith occluded phosphorus in rice straw. Soil and Tillage Research, 2017, 171, 19-24.	5.6	38
43	Linking Genes to Microbial Biogeochemical Cycling: Lessons from Arsenic. Environmental Science & Technology, 2017, 51, 7326-7339.	10.0	223
44	Urinary Arsenic Speciation in Children and Pregnant Women from Spain. Exposure and Health, 2017, 9, 105-111.	4.9	30
45	Elevated Trimethylarsine Oxide and Inorganic Arsenic in Northern Hemisphere Summer Monsoonal Wet Deposition. Environmental Science & Technology, 2017, 51, 12210-12218.	10.0	14
46	Concentrations of urinary arsenic species in relation to rice and seafood consumption among children living in Spain. Environmental Research, 2017, 159, 69-75.	7.5	35
47	Levels of infantsâ€™ urinary arsenic metabolites related to formula feeding and weaning with rice products exceeding the EU inorganic arsenic standard. PLoS ONE, 2017, 12, e0176923.	2.5	34
48	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.	0.8	9
49	Comment on â€œEffects of Arsenite during Fetal Development on Energy Metabolism and Susceptibility to Diet-Induced Fatty Liver Diseases in Male Miceâ€•and â€œMechanisms Underlying Latent Disease Risk Associated with Early-Life Arsenic Exposure: Current Trends and Scientific Gapsâ€• Environmental Health Perspectives, 2016, 124, A99.	6.0	4
50	Distribution of soil selenium in China is potentially controlled by deposition and volatilization?. Scientific Reports, 2016, 6, 20953.	3.3	49
51	Exposure & Health. Exposure and Health, 2016, 8, 1-1.	4.9	3
52	Perspective: City farming needs monitoring. Nature, 2016, 531, S60-S60.	27.8	32
53	Cobalamin Concentrations in Fetal Liver Show Gender Differences: A Result from Using a High-Pressure Liquid Chromatographyâ€“Inductively Coupled Plasma Mass Spectrometry as an Ultratrace Cobalt Speciation Method. Analytical Chemistry, 2016, 88, 12419-12426.	6.5	2
54	Assessing the Legacy of Red Mud Pollution in a Shallow Freshwater Lake: Arsenic Accumulation and Speciation in Macrophytes. Environmental Science & Technology, 2016, 50, 9044-9052.	10.0	37

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55	Inorganic arsenic in rice-based products for infants and young children. Food Chemistry, 2016, 191, 128-134.	8.2	137
56	Geographical variation in inorganic arsenic in paddy field samples and commercial rice from the Iberian Peninsula. Food Chemistry, 2016, 202, 356-363.	8.2	61
57	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.	1.5	5
58	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, 851-857.	2.6	16
59	Rethinking Rice Preparation for Highly Efficient Removal of Inorganic Arsenic Using Percolating Cooking Water. PLoS ONE, 2015, 10, e0131608.	2.5	44
60	Protecting global soil resources for ecosystem services. Ecosystem Health and Sustainability, 2015, 1, 1-4.	3.1	8
61	Mucosal Microbiome in Patients with Recurrent Aphthous Stomatitis. Journal of Dental Research, 2015, 94, 87S-94S.	5.2	57
62	The fungal microbiota of de-novo paediatric inflammatory bowel disease. Microbes and Infection, 2015, 17, 304-310.	1.9	67
63	Silicon, the silver bullet for mitigating biotic and abiotic stress, and improving grain quality, in rice?. Environmental and Experimental Botany, 2015, 120, 8-17.	4.2	218
64	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.	5.5	58
65	Cadmium and lead in vegetable and fruit produce selected from specific regional areas of the UK. Science of the Total Environment, 2015, 533, 520-527.	8.0	55
66	Consistency of arsenic speciation in global tobacco products with implications for health and regulation. Tobacco Induced Diseases, 2014, 12, 24.	0.6	21
67	Genome Wide Association Mapping of Grain Arsenic, Copper, Molybdenum and Zinc in Rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Overl	2.5	228
68	A review on completing arsenic biogeochemical cycle: Microbial volatilization of arsines in environment. Journal of Environmental Sciences, 2014, 26, 371-381.	6.1	128
69	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.	8.0	78
70	Traitâ€directed de novo population transcriptome dissects genetic regulation of a balanced polymorphism in phosphorus nutrition/arsenate tolerance in a wild grass, H olcus lanatus. New Phytologist, 2014, 201, 144-154.	7.3	6
71	Urinary excretion of arsenic following rice consumption. Environmental Pollution, 2014, 194, 181-187.	7.5	38
72	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, 1407-1413.	2.6	59

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73	Conserved histidine of metal transporter At<scp>NRAMP</scp>1 is crucial for optimal plant growth under manganese deficiency at chilling temperatures. New Phytologist, 2014, 202, 1173-1183.	7.3	29
74	Sprinkler irrigation of rice fields reduces grain arsenic but enhances cadmium. Science of the Total Environment, 2014, 485-486, 468-473.	8.0	81
75	Impacts of Gold Mining on Rice Production in the Anum Valley of Ghana. Agricultural Sciences, 2014, 05, 793-804.	0.3	1
76	Milling plant and soil material in plastic tubes over-estimates carbon and under-estimates nitrogen concentrations. Plant and Soil, 2013, 369, 509-513.	3.7	6
77	Arsenic and selenium mobilisation from organic matter treated mine spoil with and without inorganic fertilisation. Environmental Pollution, 2013, 173, 238-244.	7.5	77
78	A balanced polymorphism in biomass resource allocation controlled by phosphate in grasses screened through arsenate tolerance. Environmental and Experimental Botany, 2013, 96, 43-51.	4.2	3
79	Effect of organic matter amendment, arsenic amendment and water management regime on rice grain arsenic species. Environmental Pollution, 2013, 177, 38-47.	7.5	82
80	Methylated Arsenic Species in Rice: Geographical Variation, Origin, and Uptake Mechanisms. Environmental Science & Technology, 2013, 47, 3957-3966.	10.0	276
81	Variation in Rice Cadmium Related to Human Exposure. Environmental Science & Technology, 2013, 47, 5613-5618.	10.0	365
82	Arsenic Speciation and Localization in Horticultural Produce Grown in a Historically Impacted Mining Region. Environmental Science & Technology, 2013, 47, 6164-6172.	10.0	29
83	Total arsenic, inorganic arsenic, and other elements concentrations in Italian rice grain varies with origin and type. Environmental Pollution, 2013, 181, 38-43.	7.5	91
84	Poisoning from lead gunshot: still a threat to wild waterbirds in Britain. European Journal of Wildlife Research, 2013, 59, 195-204.	1.4	30
85	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.	4.3	74
86	Biogeochemistry of Arsenic in Paddy Environments. , 2012, , 71-101.		13
87	Elevated copper in urine of Bangladeshi ethnic group living in the United Kingdom. Biomedical Spectroscopy and Imaging, 2012, 1, 355-364.	1.2	0
88	Effect of heating vermiculites on extractability of phosphorus and some essential plant micronutrients. Clay Minerals, 2012, 47, 365-371.	0.6	0
89	A review of recent developments in the speciation and location of arsenic and selenium in rice grain. Analytical and Bioanalytical Chemistry, 2012, 402, 3275-3286.	3.7	79
90	Essential and toxic elements in infant foods from Spain, UK, China and USA. Journal of Environmental Monitoring, 2012, 14, 2447.	2.1	39

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91	Spatial Heterogeneity and Kinetic Regulation of Arsenic Dynamics in Mangrove Sediments: The Sundarbans, Bangladesh. Environmental Science & Technology, 2012, 46, 8645-8652.	10.0	31
92	Grain Accumulation of Selenium Species in Rice (Oryza sativa L.). Environmental Science & Technology, 2012, 46, 5557-5564.	10.0	82
93	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.	2.4	32
94	Arsenic in Rice Grown in Low-Arsenic Environments in Bangladesh. Water Quality, Exposure, and Health, 2012, 4, 197-208.	1.5	13
95	Arsenic & Rice. , 2012, , .		92
96	Hydrogeochemistry and Arsenic Contamination of Groundwater in the Haor Basins of Bangladesh. Water Quality, Exposure, and Health, 2012, 4, 67-78.	1.5	13
97	Methylated arsenic species in plants originate from soil microorganisms. New Phytologist, 2012, 193, 665-672.	7.3	312
98	Variation in grain arsenic assessed in a diverse panel of rice (Oryza sativa) grown in multiple sites. New Phytologist, 2012, 193, 650-664.	7.3	126
99	Inorganic arsenic contents in rice-based infant foods from Spain, UK, China and USA. Environmental Pollution, 2012, 163, 77-83.	7.5	121
100	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.	2.5	49
101	Risk assessment of potentially toxic elements in agricultural soils and maize tissues from selected districts in Tanzania. Science of the Total Environment, 2012, 416, 180-186.	8.0	48
102	Risk from Arsenic in Rice Grain. , 2012, , 31-50.		6
103	The Physiology of Arsenic in Rice. , 2012, , 103-138.		4
104	Strategies for Producing Low Arsenic Rice. , 2012, , 139-151.		3
105	Arsenic in Other Crops. , 2012, , 153-166.		0
106	Field Fluxes and Speciation of Arsines Emanating from Soils. Environmental Science & Technology, 2011, 45, 1798-1804.	10.0	138
107	Assessing the Labile Arsenic Pool in Contaminated Paddy Soils by Isotopic Dilution Techniques and Simple Extractions. Environmental Science & Technology, 2011, 45, 4262-4269.	10.0	75
108	Identification of tetramethylarsonium in rice grains with elevated arsenic content. Journal of Environmental Monitoring, 2011, 13, 32-34.	2.1	56

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109	Organic Matterâ€"Solid Phase Interactions Are Critical for Predicting Arsenic Release and Plant Uptake in Bangladesh Paddy Soils. Environmental Science & Technology, 2011, 45, 6080-6087.	10.0	181
110	The impact of a rice based diet on urinary arsenic. Journal of Environmental Monitoring, 2011, 13, 257-265.	2.1	83
111	A field and reactive transport model study of arsenic in a basaltic rock aquifer. Applied Geochemistry, 2011, 26, 553-564.	3.0	13
112	Phloem transport of arsenic species from flag leaf to grain during grain filling. New Phytologist, 2011, 192, 87-98.	7.3	170
113	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.	4.2	35
114	The dynamics of arsenic in four paddy fields in the Bengal delta. Environmental Pollution, 2011, 159, 947-953.	7.5	95
115	Inorganic arsenic and trace elements in Ghanaian grain staples. Environmental Pollution, 2011, 159, 2435-2442.	7.5	82
116	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.	1.5	9
117	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.	1.4	1
118	Arsenic is not stored as arsenite - phytochelatin complexes in the seaweeds Fucus spiralis and Hizikia fusiforme. Environmental Chemistry, 2011, 8, 30.	1.5	11
119	Arsenic as a Food Chain Contaminant: Mechanisms of Plant Uptake and Metabolism and Mitigation Strategies. Annual Review of Plant Biology, 2010, 61, 535-559.	18.7	1,023
120	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.	1.5	8
121	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.	3.7	275
122	Arsenic accumulation and phosphorus status in two rice (Oryza sativa L.) cultivars surveyed from fields in South China. Environmental Pollution, 2010, 158, 1536-1541.	7.5	71
123	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.	2.5	97
124	Toxicity of non-steroidal anti-inflammatory drugs to Gyps vultures: a new threat from ketoprofen. Biology Letters, 2010, 6, 339-341.	2.3	118
125	Arsenic Influence on Genetic Variation in Grain Trace-Element Nutrient Content in Bengal Delta Grown Rice. Environmental Science & Technology, 2010, 44, 8284-8288.	10.0	29
126	Arsenic Shoot-Grain Relationships in Field Grown Rice Cultivars. Environmental Science & Technology, 2010, 44, 1471-1477.	10.0	54

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127	Getting to the bottom of arsenic standards and guidelines. Environmental Science & Technology, 2010, 44, 4395-4399.	10.0	65
128	Quantitative and Qualitative Trapping of Volatile Methylated Selenium Species Entrained through Nitric Acid. Environmental Science & Technology, 2010, 44, 382-387.	10.0	32
129	Accumulation or production of arsenobetaine in humans?. Journal of Environmental Monitoring, 2010, 12, 832.	2.1	51
130	Characterizing Pb Mobilization from Upland Soils to Streams Using ²⁰⁶Pb/²⁰⁷Pb Isotopic Ratios. Environmental Science & Technology, 2010, 44, 243-249.	10.0	32
131	Grain Unloading of Arsenic Species in Rice Â. Plant Physiology, 2009, 152, 309-319.	4.8	268
132	Mineralogical and chemical characterization of some vermiculites from the Mozambique Belt of Tanzania for agricultural use. Clay Minerals, 2009, 44, 1-17.	0.6	5
133	Selenium Characterization in the Global Rice Supply Chain. Environmental Science & Technology, 2009, 43, 6024-6030.	10.0	191
134	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.	1.5	12
135	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.	2.4	92
136	Small genetic differences between ericoid mycorrhizal fungi affect nitrogen uptake by Vaccinium. New Phytologist, 2009, 181, 708-718.	7.3	36
137	Arsenic uptake and metabolism in plants. New Phytologist, 2009, 181, 777-794.	7.3	973
138	Speciation and distribution of arsenic and localization of nutrients in rice grains. New Phytologist, 2009, 184, 193-201.	7.3	226
139	An arsenicâ€accumulating, hypertolerant brassica, Isatis capadocica. New Phytologist, 2009, 184, 41-47.	7.3	101
140	The molecular form of mercury in biota: identification of novel mercury peptide complexes in plants. Chemical Communications, 2009, , 4257.	4.1	99
141	Response to the Comment by Van Geen and Duxbury. Environmental Science & Technology, 2009, 43, 3972-3973.	10.0	3
142	Quantitative and Qualitative Trapping of Arsines Deployed to Assess Loss of Volatile Arsenic from Paddy Soil. Environmental Science & Technology, 2009, 43, 8270-8275.	10.0	122
143	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.	6.0	37
144	Enhanced transfer of arsenic to grain for Bangladesh grown rice compared to US and EU. Environment International, 2009, 35, 476-479.	10.0	64

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145	Survey of arsenic and its speciation in rice products such as breakfast cereals, rice crackers and Japanese rice condiments. Environment International, 2009, 35, 473-475.	10.0	138
146	Arsenic mobilization from iron oxyhydroxides is regulated by organic matter carbon to nitrogen (C:N) ratio. Environment International, 2009, 35, 480-484.	10.0	30
147	Arsenic geochemistry, transport mechanism in the soilâ€“plant system, human and animal health issues. Environment International, 2009, 35, 453-454.	10.0	29
148	Arsenic rich iron plaque on macrophyte roots â€“ an ecotoxicological risk?. Environmental Pollution, 2009, 157, 946-954.	7.5	30
149	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	20
150	Selenium in higher plants: understanding mechanisms for biofortification and phytoremediation. Trends in Plant Science, 2009, 14, 436-442.	8.8	486
151	Arsenic Limits Trace Mineral Nutrition (Selenium, Zinc, and Nickel) in Bangladesh Rice Grain. Environmental Science & Technology, 2009, 43, 8430-8436.	10.0	99
152	Cooking rice in a high water to rice ratio reduces inorganic arsenic content. Journal of Environmental Monitoring, 2009, 11, 41-44.	2.1	143
153	Occurrence and Partitioning of Cadmium, Arsenic and Lead in Mine Impacted Paddy Rice: Hunan, China. Environmental Science & Technology, 2009, 43, 637-642.	10.0	451
154	Baseline Soil Variation Is a Major Factor in Arsenic Accumulation in Bengal Delta Paddy Rice. Environmental Science & Technology, 2009, 43, 1724-1729.	10.0	74
155	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, 8381-8386.	10.0	146
156	Identification of Low Inorganic and Total Grain Arsenic Rice Cultivars from Bangladesh. Environmental Science & Technology, 2009, 43, 6070-6075.	10.0	151
157	Analysis of Nine NSAIDs in Ungulate Tissues Available to Critically Endangered Vultures in India. Environmental Science & Technology, 2009, 43, 4561-4566.	10.0	57
158	Arsenic speciation in Japanese rice drinks and condiments. Journal of Environmental Monitoring, 2009, 11, 1930.	2.1	36
159	Geographical Variation in Total and Inorganic Arsenic Content of Polished (White) Rice. Environmental Science & Technology, 2009, 43, 1612-1617.	10.0	673
160	Arsenate, arsenite and dimethyl arsinic acid (DMA) uptake and tolerance in maize (Zea mays L.). Plant and Soil, 2008, 304, 277-289.	3.7	92
161	Can we trust mass spectrometry for determination of arsenic peptides in plants: comparison of LCâ€“ICPâ€“MS and LCâ€“ES-MS/ICPâ€“MS with XANES/EXAFS in analysis of Thunbergia alata. Analytical and Bioanalytical Chemistry, 2008, 390, 1739-1751.	3.7	78
162	Investigation into mercury bound to biothiols: structural identification using ESIâ€“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, 1753-1764.	3.7	99

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163	Apparent tolerance of turkey vultures (Cathartes aura) to the nonâ€steroidal antiâ€inflammatory drug diclofenac. Environmental Toxicology and Chemistry, 2008, 27, 2341-2345.	4.3	63
164	Growing Rice Aerobically Markedly Decreases Arsenic Accumulation. Environmental Science & Technology, 2008, 42, 5574-5579.	10.0	567
165	Speciation and Localization of Arsenic in White and Brown Rice Grains. Environmental Science & Technology, 2008, 42, 1051-1057.	10.0	321
166	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.	10.0	278
167	High Percentage Inorganic Arsenic Content of Mining Impacted and Nonimpacted Chinese Rice. Environmental Science & Technology, 2008, 42, 5008-5013.	10.0	390
168	Inorganic arsenic levels in baby rice are of concern. Environmental Pollution, 2008, 152, 746-749.	7.5	168
169	Exposure to inorganic arsenic from rice: A global health issue?. Environmental Pollution, 2008, 154, 169-171.	7.5	344
170	Inorganic arsenic levels in rice milk exceed EU and US drinking water standards. Journal of Environmental Monitoring, 2008, 10, 428.	2.1	68
171	Regulation of Arsenic Mobility on Basaltic Glass Surfaces by Speciation and pH. Environmental Science & Technology, 2008, 42, 8816-8821.	10.0	14
172	Riceâ€“arsenate interactions in hydroponics: whole genome transcriptional analysis. Journal of Experimental Botany, 2008, 59, 2267-2276.	4.8	210
173	Riceâ€“arsenate interactions in hydroponics: a three-gene model for tolerance. Journal of Experimental Botany, 2008, 59, 2277-2284.	4.8	34
174	Uptake and translocation of inorganic and methylated arsenic species by plants. Environmental Chemistry, 2007, 4, 197.	1.5	257
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