

Fang-Jie Zhao

List of Publications by Year in descending order

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368
papers

45,896
citations

872

117
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2385

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377
docs citations

377
times ranked

23164
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary cadmium exposure, risks to human health and mitigation strategies. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 939-963.	12.8	37
2	Oxidation of organoarsenicals and antimonite by a novel flavin monooxygenase widely present in soil bacteria. <i>Environmental Microbiology</i> , 2022, 24, 752-761.	3.8	26
3	Toxic metals and metalloids: Uptake, transport, detoxification, phytoremediation, and crop improvement for safer food. <i>Molecular Plant</i> , 2022, 15, 27-44.	8.3	131
4	What is a plant nutrient? Changing definitions to advance science and innovation in plant nutrition. <i>Plant and Soil</i> , 2022, 476, 11-23.	3.7	38
5	The relative contributions of root uptake and remobilization to the loading of Cd and As into rice grains: Implications in simultaneously controlling grain Cd and As accumulation using a segmented water management strategy. <i>Environmental Pollution</i> , 2022, 293, 118497.	7.5	47
6	Soil amendments with ZnSO ₄ or MnSO ₄ are effective at reducing Cd accumulation in rice grain: An application of the voltaic cell principle. <i>Environmental Pollution</i> , 2022, 294, 118650.	7.5	11
7	Functional characterization of the methylarsenite-inducible <i>arsRM</i> operon from <i>Noviherbaspirillum denitrificans</i> HC18. <i>Environmental Microbiology</i> , 2022, , .	3.8	6
8	Glutathione Is Involved in the Reduction of Methylarsenate to Generate Antibiotic Methylarsenite in <i>Enterobacter</i> sp. Strain CZ-1. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0246721.	3.1	4
9	Elucidating heterogeneous iron biomineralization patterns in a denitrifying As(^{III})-oxidizing bacterium: implications for arsenic immobilization. <i>Environmental Science: Nano</i> , 2022, 9, 1076-1090.	4.3	5
10	The vacuolar transporter OsNRAMP2 mediates Fe remobilization during germination and affects Cd distribution to rice grain. <i>Plant and Soil</i> , 2022, 476, 79-95.	3.7	12
11	Widespread Occurrence of the Highly Toxic Dimethylated Monothioarsenate (DMMTA) in Rice Globally. <i>Environmental Science & Technology</i> , 2022, 56, 3575-3586.	10.0	27
12	<i>ArsZ</i> from <i>Ensifer adhaerens</i> ST2 is a novel methylarsenite oxidase. <i>Environmental Microbiology</i> , 2022, 24, 3013-3021.	3.8	6
13	China national food safety standards of cadmium in staple foods: Issues and thinking. <i>Chinese Science Bulletin</i> , 2022, 67, 3252-3260.	0.7	2
14	The Vacuolar Molybdate Transporter OsMOT1;2 Controls Molybdenum Remobilization in Rice. <i>Frontiers in Plant Science</i> , 2022, 13, 863816.	3.6	1
15	Variation in cadmium accumulation and speciation within the same population of the hyperaccumulator <i>Noccaea caerulescens</i> grown in a moderately contaminated soil. <i>Plant and Soil</i> , 2022, 475, 379-394.	3.7	7
16	Significant Nutritional Gaps in Tibetan Adults Living in Agricultural Counties Along Yarlung Zangbo River. <i>Frontiers in Nutrition</i> , 2022, 9, 845026.	3.7	5
17	Prevalent and highly mobile antibiotic resistance genes in commercial organic fertilizers. <i>Environment International</i> , 2022, 162, 107157.	10.0	21
18	Molybdenum: More than an essential element. <i>Journal of Experimental Botany</i> , 2022, 73, 1766-1774.	4.8	25

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19	Exploring Key Soil Parameters Relevant to Arsenic and Cadmium Accumulation in Rice Grain in Southern China. <i>Soil Systems</i> , 2022, 6, 36.	2.6	4
20	Suppression of methanogenesis in paddy soil increases dimethylarsenate accumulation and the incidence of straighthead disease in rice. <i>Soil Biology and Biochemistry</i> , 2022, 169, 108689.	8.8	14
21	Local and Systemic Response to Heterogeneous Sulfate Resupply after Sulfur Deficiency in Rice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6203.	4.1	3
22	The roles of membrane transporters in arsenic uptake, translocation and detoxification in plants. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 2449-2484.	12.8	51
23	Producing Cd-safe rice grains in moderately and seriously Cd-contaminated paddy soils. <i>Chemosphere</i> , 2021, 267, 128893.	8.2	25
24	Stable isotope fractionation of cadmium in the soil-rice-human continuum. <i>Science of the Total Environment</i> , 2021, 761, 143262.	8.0	28
25	Reducing cadmium bioavailability and accumulation in vegetable by an alkalizing bacterial strain. <i>Science of the Total Environment</i> , 2021, 758, 143596.	8.0	18
26	Cadmium Inhibits Lateral Root Emergence in Rice by Disrupting OsPIN-Mediated Auxin Distribution and the Protective Effect of OsHMA3. <i>Plant and Cell Physiology</i> , 2021, 62, 166-177.	3.1	21
27	Cadmium speciation and release kinetics in a paddy soil as affected by soil amendments and flooding-draining cycle. <i>Environmental Pollution</i> , 2021, 268, 115944.	7.5	27
28	High-Affinity Sulfate Transporter Sultr1;2 Is a Major Transporter for Cr(VI) Uptake in Plants. <i>Environmental Science & Technology</i> , 2021, 55, 1576-1584.	10.0	41
29	The Voltaic Effect as a Novel Mechanism Controlling the Remobilization of Cadmium in Paddy Soils during Drainage. <i>Environmental Science & Technology</i> , 2021, 55, 1750-1758.	10.0	59
30	Sulfate addition and rising temperature promote arsenic methylation and the formation of methylated thioarsenates in paddy soils. <i>Soil Biology and Biochemistry</i> , 2021, 154, 108129.	8.8	38
31	DNA hypomethylation in tetraploid rice potentiates stress-responsive gene expression for salt tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	44
32	A molecular switch in sulfur metabolism to reduce arsenic and enrich selenium in rice grain. <i>Nature Communications</i> , 2021, 12, 1392.	12.8	48
33	Dynamics of Dimethylated Monothioarsenate (DMMTA) in Paddy Soils and Its Accumulation in Rice Grains. <i>Environmental Science & Technology</i> , 2021, 55, 8665-8674.	10.0	25
34	Free Radicals Produced from the Oxidation of Ferrous Sulfides Promote the Remobilization of Cadmium in Paddy Soils During Drainage. <i>Environmental Science & Technology</i> , 2021, 55, 9845-9853.	10.0	63
35	Food Consumption and Dietary Patterns of Local Adults Living on the Tibetan Plateau: Results from 14 Countries along the Yarlung Tsangpo River. <i>Nutrients</i> , 2021, 13, 2444.	4.1	17
36	Future research needs for environmental science in China. <i>Geography and Sustainability</i> , 2021, , .	4.3	3

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37	Two-year and multi-site field trials to evaluate soil amendments for controlling cadmium accumulation in rice grain. <i>Environmental Pollution</i> , 2021, 289, 117918.	7.5	20
38	Phylogenomics reveals the basis of adaptation of <i>Pseudorhizobium</i> species to extreme environments and supports a taxonomic revision of the genus. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126165.	2.8	33
39	Univariate and Multivariate QTL Analyses Reveal Covariance Among Mineral Elements in the Rice Ionome. <i>Frontiers in Genetics</i> , 2021, 12, 638555.	2.3	10
40	Targeted expression of the arsenate reductase HAC1 identifies cell type specificity of arsenic metabolism and transport in plant roots. <i>Journal of Experimental Botany</i> , 2021, 72, 415-425.	4.8	12
41	<scp>ArsV</scp> and <scp>ArsW</scp> provide synergistic resistance to the antibiotic methylarsenite. <i>Environmental Microbiology</i> , 2021, 23, 7550-7562.	3.8	11
42	Demethylation of the Antibiotic Methylarsenite is Coupled to Denitrification in Anoxic Paddy Soil. <i>Environmental Science & Technology</i> , 2021, 55, 15484-15494.	10.0	13
43	Natural variation in the promoter of <i>OsHMA3</i> contributes to differential grain cadmium accumulation between <i>Indica</i> and <i>Japonica</i> rice. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 314-329.	8.5	72
44	Protein phosphatase 2A alleviates cadmium toxicity by modulating ethylene production in <scp><i>Arabidopsis thaliana</i></scp>. <i>Plant, Cell and Environment</i> , 2020, 43, 1008-1022.	5.7	13
45	Binding and adsorption energy of Cd in soils and its environmental implication for Cd bioavailability. <i>Soil Science Society of America Journal</i> , 2020, 84, 472-482.	2.2	10
46	<i>N</i>-Hydroxyarylamine <i>O</i>-Acetyltransferases Catalyze Acetylation of 3-Amino-4-Hydroxyphenylarsonic Acid in the 4-Hydroxy-3-Nitrobenzenearsonic Acid Transformation Pathway of <i>Enterobacter</i> sp. Strain CZ-1. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	9
47	Arsenic and cadmium accumulation in rice and mitigation strategies. <i>Plant and Soil</i> , 2020, 446, 1-21.	3.7	327
48	Genetic mapping of ionic quantitative trait loci in rice grain and straw reveals OsMOT1;1 as the putative causal gene for a molybdenum QTL qMo8. <i>Molecular Genetics and Genomics</i> , 2020, 295, 391-407.	2.1	20
49	Mutation in <i>OsCADT1</i> enhances cadmium tolerance and enriches selenium in rice grain. <i>New Phytologist</i> , 2020, 226, 838-850.	7.3	45
50	Overexpression of Rice <i>OsHMA3</i> in Wheat Greatly Decreases Cadmium Accumulation in Wheat Grains. <i>Environmental Science & Technology</i> , 2020, 54, 10100-10108.	10.0	72
51	<scp>OsNRAMP1</scp> transporter contributes to cadmium and manganese uptake in rice. <i>Plant, Cell and Environment</i> , 2020, 43, 2476-2491.	5.7	191
52	Breeding for low cadmium barley by introgression of a Sukkula-like transposable element. <i>Nature Food</i> , 2020, 1, 489-499.	14.0	44
53	Chemical Speciation and Distribution of Cadmium in Rice Grain and Implications for Bioavailability to Humans. <i>Environmental Science & Technology</i> , 2020, 54, 12072-12080.	10.0	46
54	Overexpression of the manganese/cadmium transporter OsNRAMP5 reduces cadmium accumulation in rice grain. <i>Journal of Experimental Botany</i> , 2020, 71, 5705-5715.	4.8	75

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55	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.	12.4	46
56	OASTL-A1 functions as a cytosolic cysteine synthase and affects arsenic tolerance in rice. <i>Journal of Experimental Botany</i> , 2020, 71, 3678-3689.	4.8	19
57	Nitrite Accumulation Is Required for Microbial Anaerobic Iron Oxidation, but Not for Arsenite Oxidation, in Two Heterotrophic Denitrifiers. <i>Environmental Science & Technology</i> , 2020, 54, 4036-4045.	10.0	33
58	Dimethylarsinic acid is the causal agent inducing rice straighthead disease. <i>Journal of Experimental Botany</i> , 2020, 71, 5631-5644.	4.8	40
59	The within-field spatial variation in rice grain Cd concentration is determined by soil redox status and pH during grain filling. <i>Environmental Pollution</i> , 2020, 261, 114151.	7.5	55
60	QTL pyramiding for producing nutritious and safe rice grains. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 264-268.	8.5	4
61	Localized Intensification of Arsenic Release within the Emergent Rice Rhizosphere. <i>Environmental Science & Technology</i> , 2020, 54, 3138-3147.	10.0	34
62	Increased arsenic mobilization in the rice rhizosphere is mediated by iron-reducing bacteria. <i>Environmental Pollution</i> , 2020, 263, 114561.	7.5	35
63	Strategies to manage the risk of heavy metal(loid) contamination in agricultural soils. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 333.	1.4	11
64	Variation in the BrHMA3 coding region controls natural variation in cadmium accumulation in Brassica rapa vegetables. <i>Journal of Experimental Botany</i> , 2019, 70, 5865-5878.	4.8	36
65	Special section on soil and human health “An editorial. <i>European Journal of Soil Science</i> , 2019, 70, 859-861.	3.9	2
66	Dynamics of metal(loid) resistance genes driven by succession of bacterial community during manure composting. <i>Environmental Pollution</i> , 2019, 255, 113276.	7.5	16
67	Water management impacts the soil microbial communities and total arsenic and methylated arsenicals in rice grains. <i>Environmental Pollution</i> , 2019, 247, 736-744.	7.5	68
68	Biotransformation of arsenic-containing roxarsone by an aerobic soil bacterium <i>Enterobacter</i> sp. CZ-1. <i>Environmental Pollution</i> , 2019, 247, 482-487.	7.5	28
69	Sulfate-reducing bacteria and methanogens are involved in arsenic methylation and demethylation in paddy soils. <i>ISME Journal</i> , 2019, 13, 2523-2535.	9.8	122
70	Microbial sulfate reduction decreases arsenic mobilization in flooded paddy soils with high potential for microbial Fe reduction. <i>Environmental Pollution</i> , 2019, 251, 952-960.	7.5	61
71	Engineering Crops without Genome Integration Using Nanotechnology. <i>Trends in Plant Science</i> , 2019, 24, 574-577.	8.8	48
72	Epigenetic regulation of sulfur homeostasis in plants. <i>Journal of Experimental Botany</i> , 2019, 70, 4171-4182.	4.8	28

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73	Cadmium contamination in agricultural soils of China and the impact on food safety. <i>Environmental Pollution</i> , 2019, 249, 1038-1048.	7.5	395
74	Producing cadmium-free Indica rice by overexpressing OsHMA3. <i>Environment International</i> , 2019, 126, 619-626.	10.0	110
75	The C-type ATP-Binding Cassette Transporter OsABCC7 Is Involved in the Root-to-Shoot Translocation of Arsenic in Rice. <i>Plant and Cell Physiology</i> , 2019, 60, 1525-1535.	3.1	48
76	Map-based cloning of a new total loss-of-function allele of OsHMA3 causes high cadmium accumulation in rice grain. <i>Journal of Experimental Botany</i> , 2019, 70, 2857-2871.	4.8	57
77	Iron&Manganese (Oxyhydro)oxides, Rather than Oxidation of Sulfides, Determine Mobilization of Cd during Soil Drainage in Paddy Soil Systems. <i>Environmental Science & Technology</i> , 2019, 53, 2500-2508.	10.0	236
78	Natural variation in a molybdate transporter controls grain molybdenum concentration in rice. <i>New Phytologist</i> , 2019, 221, 1983-1997.	7.3	44
79	SpHMA1 is a chloroplast cadmium exporter protecting photochemical reactions in the Cd hyperaccumulator <i>Sedum plumbizincicola</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 1112-1124.	5.7	49
80	Minimizing experimental artefacts in synchrotron-based X-ray analyses of Fe speciation in tissues of rice plants. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1272-1279.	2.4	7
81	Cadmium Phytoremediation: Call Rice CAL1. <i>Molecular Plant</i> , 2018, 11, 640-642.	8.3	31
82	Soil and human health. <i>European Journal of Soil Science</i> , 2018, 69, 158-158.	3.9	2
83	Microbe mediated arsenic release from iron minerals and arsenic methylation in rhizosphere controls arsenic fate in soil-rice system after straw incorporation. <i>Environmental Pollution</i> , 2018, 236, 598-608.	7.5	118
84	Geographical variations of cadmium and arsenic concentrations and arsenic speciation in Chinese rice. <i>Environmental Pollution</i> , 2018, 238, 482-490.	7.5	148
85	Risk of Silver Transfer from Soil to the Food Chain Is Low after Long-Term (20 Years) Field Applications of Sewage Sludge. <i>Environmental Science & Technology</i> , 2018, 52, 4901-4909.	10.0	39
86	Dissecting the components controlling root&shoot arsenic translocation in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2018, 217, 206-218.	7.3	56
87	Antibiotics and antibiotic resistance from animal manures to soil: a review. <i>European Journal of Soil Science</i> , 2018, 69, 181-195.	3.9	291
88	Arsenic methylation by a novel ArsM As(III) S&adenosylmethionine methyltransferase that requires only two conserved cysteine residues. <i>Molecular Microbiology</i> , 2018, 107, 265-276.	2.5	42
89	Nramp5 expression and functionality likely explain higher cadmium uptake in rice than in wheat and maize. <i>Plant and Soil</i> , 2018, 433, 377-389.	3.7	111
90	ARSENATE INDUCED CHLOROSIS 1/ TRANSLOCON AT THE OUTER ENVOLOPE MEMBRANE OF CHLOROPLASTS 132 Protects Chloroplasts from Arsenic Toxicity. <i>Plant Physiology</i> , 2018, 178, 1568-1583.	4.8	18

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91	Genome-Wide Association Studies Reveal the Genetic Basis of Ionomics Variation in Rice. <i>Plant Cell</i> , 2018, 30, 2720-2740.	6.6	164
92	Engineered silver nanoparticles in terrestrial environments: a meta-analysis shows that the overall environmental risk is small. <i>Environmental Science: Nano</i> , 2018, 5, 2531-2544.	4.3	25
93	OsWRKY28 Regulates Phosphate and Arsenate Accumulation, Root System Architecture and Fertility in Rice. <i>Frontiers in Plant Science</i> , 2018, 9, 1330.	3.6	61
94	Effective methods to reduce cadmium accumulation in rice grain. <i>Chemosphere</i> , 2018, 207, 699-707.	8.2	170
95	Long-term effects of manure and chemical fertilizers on soil antibiotic resistome. <i>Soil Biology and Biochemistry</i> , 2018, 122, 111-119.	8.8	98
96	Dietary cadmium intake from rice and vegetables and potential health risk: A case study in Xiangtan, southern China. <i>Science of the Total Environment</i> , 2018, 639, 271-277.	8.0	231
97	OsATX1 Interacts with Heavy Metal P1B-Type ATPases and Affects Copper Transport and Distribution. <i>Plant Physiology</i> , 2018, 178, 329-344.	4.8	96
98	Decreasing arsenic accumulation in rice by overexpressing <i>OsNIP1;1</i> and <i>OsNIP3;3</i> through disrupting arsenite radial transport in roots. <i>New Phytologist</i> , 2018, 219, 641-653.	7.3	122
99	Particle-specific toxicity and bioavailability of cerium oxide (CeO ₂) nanoparticles to <i>Arabidopsis thaliana</i> . <i>Journal of Hazardous Materials</i> , 2017, 322, 292-300.	12.4	90
100	Mineral Availability as a Key Regulator of Soil Carbon Storage. <i>Environmental Science & Technology</i> , 2017, 51, 4960-4969.	10.0	167
101	OsHAC4 is critical for arsenate tolerance and regulates arsenic accumulation in rice. <i>New Phytologist</i> , 2017, 215, 1090-1101.	7.3	156
102	OsPTR7 (OsNPF8.1), a Putative Peptide Transporter in Rice, is Involved in Dimethylarsenate Accumulation in Rice Grain. <i>Plant and Cell Physiology</i> , 2017, 58, 904-913.	3.1	65
103	Predicting Cadmium Safety Thresholds in Soils Based on Cadmium Uptake by Chinese Cabbage. <i>Pedosphere</i> , 2017, 27, 475-481.	4.0	33
104	Soil Environment and Pollution Remediation. <i>Pedosphere</i> , 2017, 27, 387-388.	4.0	9
105	The Nodulin 26-like intrinsic membrane protein OsNIP3;2 is involved in arsenite uptake by lateral roots in rice. <i>Journal of Experimental Botany</i> , 2017, 68, 3007-3016.	4.8	84
106	Heavy metal ATPase 3 (HMA3) confers cadmium hypertolerance on the cadmium/zinc hyperaccumulator <i>Sedum plumbizincicola</i> . <i>New Phytologist</i> , 2017, 215, 687-698.	7.3	191
107	Historical trends in iodine and selenium in soil and herbage at the Park Grass Experiment, Rothamsted Research, UK. <i>Soil Use and Management</i> , 2017, 33, 252-262.	4.9	15
108	Nitrate Stimulates Anaerobic Microbial Arsenite Oxidation in Paddy Soils. <i>Environmental Science & Technology</i> , 2017, 51, 4377-4386.	10.0	95

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109	Genotypic and Environmental Variations in Grain Cadmium and Arsenic Concentrations Among a Panel of High Yielding Rice Cultivars. <i>Rice</i> , 2017, 10, 9.	4.0	124
110	Arsenic methylation by a genetically engineered <i>Rhizobium</i> -legume symbiont. <i>Plant and Soil</i> , 2017, 416, 259-269.	3.7	48
111	Heavy metal concentrations and arsenic speciation in animal manure composts in China. <i>Waste Management</i> , 2017, 64, 333-339.	7.4	158
112	Characterizing the uptake, accumulation and toxicity of silver sulfide nanoparticles in plants. <i>Environmental Science: Nano</i> , 2017, 4, 448-460.	4.3	85
113	Determining the fate of selenium in wheat biofortification: an isotopically labelled field trial study. <i>Plant and Soil</i> , 2017, 420, 61-77.	3.7	24
114	Control of arsenic mobilization in paddy soils by manganese and iron oxides. <i>Environmental Pollution</i> , 2017, 231, 37-47.	7.5	145
115	Microbial Processes Mediating the Evolution of Methylarsine Gases from Dimethylarsenate in Paddy Soils. <i>Environmental Science & Technology</i> , 2017, 51, 13190-13198.	10.0	12
116	Allelic Variation of <i>NtNramp5</i> Associated with Cultivar Variation in Cadmium Accumulation in Tobacco. <i>Plant and Cell Physiology</i> , 2017, 58, 1583-1593.	3.1	41
117	Bacterial community and arsenic functional genes diversity in arsenic contaminated soils from different geographic locations. <i>PLoS ONE</i> , 2017, 12, e0176696.	2.5	40
118	<i>Arsenicibacter rosenii</i> gen. nov., sp. nov., an efficient arsenic methylating and volatilizing bacterium isolated from an arsenic-contaminated paddy soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3186-3191.	1.7	11
119	A novel pathway of arsenate detoxification. <i>Molecular Microbiology</i> , 2016, 100, 928-930.	2.5	21
120	<i>OsCLT1</i> , a CRT-like transporter 1, is required for glutathione homeostasis and arsenic tolerance in rice. <i>New Phytologist</i> , 2016, 211, 658-670.	7.3	75
121	Arsenic Methylation in <i>Arabidopsis thaliana</i> Expressing an Algal Arsenite Methyltransferase Gene Increases Arsenic Phytotoxicity. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2674-2681.	5.2	39
122	Nanotechnology: A New Opportunity in Plant Sciences. <i>Trends in Plant Science</i> , 2016, 21, 699-712.	8.8	690
123	The role of <i>OsPT8</i> in arsenate uptake and varietal difference in arsenate tolerance in rice. <i>Journal of Experimental Botany</i> , 2016, 67, 6051-6059.	4.8	158
124	<i>OsHAC1;1</i> and <i>OsHAC1;2</i> Function as Arsenate Reductases and Regulate Arsenic Accumulation. <i>Plant Physiology</i> , 2016, 172, 1708-1719.	4.8	200
125	Long-Term Impact of Field Applications of Sewage Sludge on Soil Antibiotic Resistome. <i>Environmental Science & Technology</i> , 2016, 50, 12602-12611.	10.0	97
126	Isolation and Characterization of an Aluminum-resistant Mutant in Rice. <i>Rice</i> , 2016, 9, 60.	4.0	15

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127	Changes in antibiotic concentrations and antibiotic resistome during commercial composting of animal manures. <i>Environmental Pollution</i> , 2016, 219, 182-190.	7.5	166
128	Efficient Arsenic Methylation and Volatilization Mediated by a Novel Bacterium from an Arsenic-Contaminated Paddy Soil. <i>Environmental Science & Technology</i> , 2016, 50, 6389-6396.	10.0	86
129	A loss-of-function allele of <i>OsHMA3</i> associated with high cadmium accumulation in shoots and grain of <i>Japonica</i> rice cultivars. <i>Plant, Cell and Environment</i> , 2016, 39, 1941-1954.	5.7	168
130	Aluminium alleviates fluoride toxicity in tea (<i>Camellia sinensis</i>). <i>Plant and Soil</i> , 2016, 402, 179-190.	3.7	42
131	The shift of the microbial community in activated sludge with calcium treatment and its implication to sludge settleability. <i>Bioresource Technology</i> , 2016, 207, 11-18.	9.6	46
132	Environmental factors influencing aluminium accumulation in tea (<i>Camellia sinensis</i> L.). <i>Plant and Soil</i> , 2016, 400, 223-230.	3.7	16
133	Phytotoxicity and detoxification mechanism differ among inorganic and methylated arsenic species in <i>Arabidopsis thaliana</i> . <i>Plant and Soil</i> , 2016, 401, 243-257.	3.7	47
134	Concentrations of metals and metalloids in soils that have the potential to lead to exceedance of maximum limit concentrations of contaminants in food and feed. <i>Soil Use and Management</i> , 2015, 31, 34-45.	4.9	21
135	Diversity and Abundance of Arsenic Biotransformation Genes in Paddy Soils from Southern China. <i>Environmental Science & Technology</i> , 2015, 49, 4138-4146.	10.0	195
136	Distribution of the stable isotopes ⁵⁷ Fe and ⁶⁸ Zn in grain tissues of various wheat lines differing in their phytate content. <i>Plant and Soil</i> , 2015, 396, 73-83.	3.7	22
137	The role of nodes in arsenic storage and distribution in rice. <i>Journal of Experimental Botany</i> , 2015, 66, 3717-3724.	4.8	99
138	Genetically Engineering <i>Bacillus subtilis</i> with a Heat-Resistant Arsenite Methyltransferase for Bioremediation of Arsenic-Contaminated Organic Waste. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6718-6724.	3.1	68
139	Iron and zinc isotope fractionation during uptake and translocation in rice (<i>Oryza sativa</i>) grown in oxic and anoxic soils. <i>Comptes Rendus - Geoscience</i> , 2015, 347, 397-404.	1.2	37
140	Anaerobic Arsenite Oxidation by an Autotrophic Arsenite-Oxidizing Bacterium from an Arsenic-Contaminated Paddy Soil. <i>Environmental Science & Technology</i> , 2015, 49, 5956-5964.	10.0	121
141	Genome-wide transcriptomic and phylogenetic analyses reveal distinct aluminum-tolerance mechanisms in the aluminum-accumulating species buckwheat (<i>Fagopyrum tataricum</i>). <i>BMC Plant Biology</i> , 2015, 15, 16.	3.6	48
142	Arsenic Methylation and Volatilization by Arsenite <i>S</i> -Adenosylmethionine Methyltransferase in <i>Pseudomonas alcaligenes</i> NBRC14159. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2852-2860.	3.1	84
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