

Peng Wang

List of Publications by Year in descending order

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Version: 2024-02-01

137
papers

7,967
citations

57758

44
h-index

58581

82
g-index

140
all docs

140
docs citations

140
times ranked

7155
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	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
3	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
4	Liming and tillering application of manganese alleviates iron manganese plaque reduction and cadmium accumulation in rice (<i>Oryza sativa</i> L.). <i>Journal of Hazardous Materials</i> , 2022, 427, 127897.	12.4	22
5	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
6	Widespread Occurrence of the Highly Toxic Dimethylated Monothioarsenate (DMMTA) in Rice Globally. <i>Environmental Science & Technology</i> , 2022, 56, 3575-3586.	10.0	27
7	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
8	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
9	Translocation of Foliar Absorbed Zn in Sunflower (<i>Helianthus annuus</i>) Leaves. <i>Frontiers in Plant Science</i> , 2022, 13, 757048.	3.6	2
10	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
11	Stable Isotope Fractionation of Metals and Metalloids in Plants: A Review. <i>Frontiers in Plant Science</i> , 2022, 13, 840941.	3.6	24
12	Producing Cd-safe rice grains in moderately and seriously Cd-contaminated paddy soils. <i>Chemosphere</i> , 2021, 267, 128893.	8.2	25
13	Effect of long-term no-tillage and nitrogen fertilization on phosphorus distribution in bulk soil and aggregates of a Vertisol. <i>Soil and Tillage Research</i> , 2021, 205, 104760.	5.6	22
14	The role of soil in defining planetary boundaries and the safe operating space for humanity. <i>Environment International</i> , 2021, 146, 106245.	10.0	25
15	Stable isotope fractionation of cadmium in the soil-rice-human continuum. <i>Science of the Total Environment</i> , 2021, 761, 143262.	8.0	28
16	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
17	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
18	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

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19	Biogeochemical Control on the Mobilization of Cd in Soil. <i>Current Pollution Reports</i> , 2021, 7, 194-200.	6.6	12
20	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
21	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
22	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
23	Long-term changes in land use influence phosphorus concentrations, speciation, and cycling within subtropical soils. <i>Geoderma</i> , 2021, 393, 115010.	5.1	20
24	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
25	Active Iron Phases Regulate the Abiotic Transformation of Organic Carbon during Redox Fluctuation Cycles of Paddy Soil. <i>Environmental Science & Technology</i> , 2021, 55, 14281-14293.	10.0	48
26	New insights of the bacterial response to exposure of differently sized silver nanomaterials. <i>Water Research</i> , 2020, 169, 115205.	11.3	29
27	Understanding the delayed expression of Al resistance in signal grass (<i>Urochloa decumbens</i>). <i>Annals of Botany</i> , 2020, 125, 841-850.	2.9	2
28	Impact of land use change and soil type on total phosphorus and its fractions in soil aggregates. <i>Land Degradation and Development</i> , 2020, 31, 828-841.	3.9	27
29	Arsenic and cadmium accumulation in rice and mitigation strategies. <i>Plant and Soil</i> , 2020, 446, 1-21.	3.7	327
30	Dysfunction of the 4-oxalocoumarate:coenzyme A ligase 4CL4 impacts aluminum resistance and lignin accumulation in rice. <i>Plant Journal</i> , 2020, 104, 1233-1250.	5.7	18
31	Wastewater Treatment Processing of Silver Nanoparticles Strongly Influences Their Effects on Soil Microbial Diversity. <i>Environmental Science & Technology</i> , 2020, 54, 13538-13547.	10.0	19
32	Silver Sulfide Nanoparticles Reduce Nitrous Oxide Emissions by Inhibiting Denitrification in the Earthworm Gut. <i>Environmental Science & Technology</i> , 2020, 54, 11146-11154.	10.0	17
33	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
34	Application of sewage sludge containing environmentally-relevant silver sulfide nanoparticles increases emissions of nitrous oxide in saline soils. <i>Environmental Pollution</i> , 2020, 265, 114807.	7.5	9
35	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
36	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

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37	Release of silver from nanoparticle-based filter paper and the impacts to mouse gut microbiota. <i>Environmental Science: Nano</i> , 2020, 7, 1554-1565.	4.3	5
38	Dimethylarsinic acid is the causal agent inducing rice straighthead disease. <i>Journal of Experimental Botany</i> , 2020, 71, 5631-5644.	4.8	40
39	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
40	Methods to Visualize Elements in Plants. <i>Plant Physiology</i> , 2020, 182, 1869-1882.	4.8	40
41	Increased arsenic mobilization in the rice rhizosphere is mediated by iron-reducing bacteria. <i>Environmental Pollution</i> , 2020, 263, 114561.	7.5	35
42	Examining a synchrotron-based approach for <i>in situ</i> analyses of Al speciation in plant roots. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 100-109.	2.4	0
43	Soil and the intensification of agriculture for global food security. <i>Environment International</i> , 2019, 132, 105078.	10.0	617
44	Soil chloride content influences the response of bacterial but not fungal diversity to silver nanoparticles entering soil via wastewater treatment processing. <i>Environmental Pollution</i> , 2019, 255, 113274.	7.5	9
45	NH ₄ H ₂ PO ₄ -extractable arsenic provides a reliable predictor for arsenic accumulation and speciation in pepper fruits (<i>Capsicum annuum</i> L.). <i>Environmental Pollution</i> , 2019, 251, 651-658.	7.5	15
46	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
47	Engineering Crops without Genome Integration Using Nanotechnology. <i>Trends in Plant Science</i> , 2019, 24, 574-577.	8.8	48
48	Effects of carbon nanotubes and derivatives of graphene oxide on soil bacterial diversity. <i>Science of the Total Environment</i> , 2019, 682, 356-363.	8.0	21
49	Cadmium contamination in agricultural soils of China and the impact on food safety. <i>Environmental Pollution</i> , 2019, 249, 1038-1048.	7.5	395
50	Effects of graphene oxide and graphite on soil bacterial and fungal diversity. <i>Science of the Total Environment</i> , 2019, 671, 140-148.	8.0	38
51	Absorption of foliar-applied Zn in sunflower (<i>Helianthus annuus</i>): importance of the cuticle, stomata and trichomes. <i>Annals of Botany</i> , 2019, 123, 57-68.	2.9	81
52	Iron and 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
53	Evaluating effects of iron on manganese toxicity in soybean and sunflower using synchrotron-based X-ray fluorescence microscopy and X-ray absorption spectroscopy. <i>Metallomics</i> , 2019, 11, 2097-2110.	2.4	8
54	Nanomaterials as fertilizers for improving plant mineral nutrition and environmental outcomes. <i>Environmental Science: Nano</i> , 2019, 6, 3513-3524.	4.3	99

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55	<i>In situ</i> analyses of inorganic nutrient distribution in sweetcorn and maize kernels using synchrotron-based X-ray fluorescence microscopy. <i>Annals of Botany</i> , 2019, 123, 543-556.	2.9	24
56	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
57	Absorption of foliar-applied Zn fertilizers by trichomes in soybean and tomato. <i>Journal of Experimental Botany</i> , 2018, 69, 2717-2729.	4.8	80
58	Effects of methyl jasmonate on plant growth and leaf properties. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 409-418.	1.9	36
59	Geographical variations of cadmium and arsenic concentrations and arsenic speciation in Chinese rice. <i>Environmental Pollution</i> , 2018, 238, 482-490.	7.5	148
60	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
61	Tailoring hydroxyapatite nanoparticles to increase their efficiency as phosphorus fertilisers in soils. <i>Geoderma</i> , 2018, 323, 116-125.	5.1	50
62	Manganese distribution and speciation help to explain the effects of silicate and phosphate on manganese toxicity in four crop species. <i>New Phytologist</i> , 2018, 217, 1146-1160.	7.3	58
63	Defining appropriate methods for studying toxicities of trace metals in nutrient solutions. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 872-880.	6.0	11
64	Effects of long-term cultivation on phosphorus (P) in five low-input, subtropical Australian soils. <i>Agriculture, Ecosystems and Environment</i> , 2018, 252, 191-199.	5.3	6
65	Bioavailability and movement of hydroxyapatite nanoparticles (HA-NPs) applied as a phosphorus fertiliser in soils. <i>Environmental Science: Nano</i> , 2018, 5, 2888-2898.	4.3	55
66	Environmental Biogeochemistry of Elements and Emerging Contaminants. <i>Journal of Chemistry</i> , 2018, 2018, 1-2.	1.9	1
67	Absorption of foliar applied Zn is decreased in Zn deficient sunflower (<i>Helianthus annuus</i>) due to changes in leaf properties. <i>Plant and Soil</i> , 2018, 433, 309-322.	3.7	21
68	Soil Organic Carbon Stabilization: Mapping Carbon Speciation from Intact Microaggregates. <i>Environmental Science & Technology</i> , 2018, 52, 12275-12284.	10.0	50
69	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
70	Effective methods to reduce cadmium accumulation in rice grain. <i>Chemosphere</i> , 2018, 207, 699-707.	8.2	170
71	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
72	Synchrotron-Based X-Ray Fluorescence Microscopy as a Technique for Imaging of Elements in Plants. <i>Plant Physiology</i> , 2018, 178, 507-523.	4.8	134

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73	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
74	The transformation and fate of silver nanoparticles in paddy soil: effects of soil organic matter and redox conditions. <i>Environmental Science: Nano</i> , 2017, 4, 919-928.	4.3	55
75	Synchrotron-based X-ray Approaches for Examining Toxic Trace Metal(loid)s in Soil-Plant Systems. <i>Journal of Environmental Quality</i> , 2017, 46, 1175-1189.	2.0	46
76	Characterizing the uptake, accumulation and toxicity of silver sulfide nanoparticles in plants. <i>Environmental Science: Nano</i> , 2017, 4, 448-460.	4.3	85
77	Kinetics of metal toxicity in plant roots and its effects on root morphology. <i>Plant and Soil</i> , 2017, 419, 269-279.	3.7	6
78	Control of arsenic mobilization in paddy soils by manganese and iron oxides. <i>Environmental Pollution</i> , 2017, 231, 37-47.	7.5	145
79	Effect of different nitrogen forms on the toxicity of Zn in wheat seedling root: a modeling analysis. <i>Environmental Science and Pollution Research</i> , 2017, 24, 18896-18906.	5.3	8
80	Effects of changes in leaf properties mediated by methyl jasmonate (MeJA) on foliar absorption of Zn, Mn and Fe. <i>Annals of Botany</i> , 2017, 120, 405-415.	2.9	36
81	Aluminum Complexation with Malate within the Root Apoplast Differs between Aluminum Resistant and Sensitive Wheat Lines. <i>Frontiers in Plant Science</i> , 2017, 8, 1377.	3.6	26
82	Characterizing the uptake, accumulation and toxicity of silver sulfide nanoparticles in plants. <i>Environmental Science: Nano</i> , 2017, 4, 448-460.	4.3	22
83	Silver Nanoparticles Entering Soils via the Wastewater-Sludge-Soil Pathway Pose Low Risk to Plants but Elevated Cl Concentrations Increase Ag Bioavailability. <i>Environmental Science & Technology</i> , 2016, 50, 8274-8281.	10.0	92
84	Comment on "Graphene oxide regulates the bacterial community and exhibits property changes in soil" by J. Du, X. Hu and Q. Zhou, <i>RSC Advances</i> , 2015, 5, 27009. <i>RSC Advances</i> , 2016, 6, 51203-51204.	3.6	2
85	Nanotechnology: A New Opportunity in Plant Sciences. <i>Trends in Plant Science</i> , 2016, 21, 699-712.	8.8	690
86	Ferric minerals and organic matter change arsenic speciation in copper mine tailings. <i>Environmental Pollution</i> , 2016, 218, 835-843.	7.5	25
87	Cadmium accumulation is enhanced by ammonium compared to nitrate in two hyperaccumulators, without affecting speciation. <i>Journal of Experimental Botany</i> , 2016, 67, 5041-5050.	4.8	78
88	Kinetics and nature of aluminium rhizotoxic effects: a review. <i>Journal of Experimental Botany</i> , 2016, 67, 4451-4467.	4.8	65
89	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
90	Identification of the Primary Lesion of Toxic Aluminum in Plant Roots. <i>Plant Physiology</i> , 2015, 167, 1402-1411.	4.8	194

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91	Silver sulfide nanoparticles (Ag ₂ S-NPs) are taken up by plants and are phytotoxic. <i>Nanotoxicology</i> , 2015, 9, 1041-1049.	3.0	96
92	Synchrotron-based X-ray absorption near-edge spectroscopy imaging for laterally resolved speciation of selenium in fresh roots and leaves of wheat and rice. <i>Journal of Experimental Botany</i> , 2015, 66, 4795-4806.	4.8	41
93	Incorporating bioavailability into toxicity assessment of Cu-Ni, Cu-Cd, and Ni-Cd mixtures with the extended biotic ligand model and the WHAM-F tox approach. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19213-19223.	5.3	20
94	Modelling metal accumulation using humic acid as a surrogate for plant roots. <i>Chemosphere</i> , 2015, 124, 61-69.	8.2	13
95	Surface Electrical Potentials of Root Cell Plasma Membranes: Implications for Ion Interactions, Rhizotoxicity, and Uptake. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22661-22677.	4.1	25
96	Delineating ion-ion interactions by electrostatic modeling for predicting rhizotoxicity of metal mixtures to lettuce (<i>Lactuca sativa</i>). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1988-1995.	4.3	8
97	The rhizotoxicity of metal cations is related to their strength of binding to hard ligands. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 268-277.	4.3	27
98	Kinetics and mechanisms of cowpea root adaptation to changes in solution calcium. <i>Plant and Soil</i> , 2014, 379, 301-314.	3.7	3
99	A web-accessible computer program for calculating electrical potentials and ion activities at cell-membrane surfaces. <i>Plant and Soil</i> , 2014, 375, 35-46.	3.7	30
100	Laterally resolved speciation of arsenic in roots of wheat and rice using fluorescence XANES imaging. <i>New Phytologist</i> , 2014, 201, 1251-1262.	7.3	81
101	Assessment of the Zn-Co mixtures rhizotoxicity under Ca deficiency: Using two conventional mixture models based on the cell membrane surface potential. <i>Chemosphere</i> , 2014, 112, 232-239.	8.2	7
102	Modeling Rhizotoxicity and Uptake of Zn and Co Singly and in Binary Mixture in Wheat in Terms of the Cell Membrane Surface Electrical Potential. <i>Environmental Science & Technology</i> , 2013, 47, 2831-2838.	10.0	39
103	Fate of ZnO Nanoparticles in Soils and Cowpea (<i>Vigna unguiculata</i>). <i>Environmental Science & Technology</i> , 2013, 47, 13822-13830.	10.0	271
104	Distribution and speciation of Mn in hydrated roots of cowpea at levels inhibiting root growth. <i>Physiologia Plantarum</i> , 2013, 147, 453-464.	5.2	21
105	An electrostatic model predicting Cu and Ni toxicity to microbial processes in soils. <i>Soil Biology and Biochemistry</i> , 2013, 57, 720-730.	8.8	21
106	Quantitative determination of metal and metalloid spatial distribution in hydrated and fresh roots of cowpea using synchrotron-based X-ray fluorescence microscopy. <i>Science of the Total Environment</i> , 2013, 463-464, 131-139.	8.0	38
107	In Situ Speciation and Distribution of Toxic Selenium in Hydrated Roots of Cowpea. <i>Plant Physiology</i> , 2013, 163, 407-418.	4.8	18
108	Development of an electrostatic model predicting copper toxicity to plants. <i>Journal of Experimental Botany</i> , 2012, 63, 659-668.	4.8	29

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109	Examination of the Distribution of Arsenic in Hydrated and Fresh Cowpea Roots Using Two- and Three-Dimensional Techniques. <i>Plant Physiology</i> , 2012, 159, 1149-1158.	4.8	43
110	Assessing the Impact of Iron-based Nanoparticles on pH, Dissolved Organic Carbon, and Nutrient Availability in Soils. <i>Soil and Sediment Contamination</i> , 2012, 21, 101-114.	1.9	32
111	Identifying the species of copper that are toxic to plant roots in alkaline nutrient solutions. <i>Plant and Soil</i> , 2012, 361, 317-327.	3.7	14
112	Alleviation of Cu and Pb Rhizotoxicities in Cowpea (<i>Vigna unguiculata</i>) as Related to Ion Activities at Root-Cell Plasma Membrane Surface. <i>Environmental Science & Technology</i> , 2011, 45, 4966-4973.	10.0	57
113	Effect of Complexation on the Accumulation and Elimination Kinetics of Cadmium and Ciprofloxacin in the Earthworm <i>Eisenia fetida</i> . <i>Environmental Science & Technology</i> , 2011, 45, 4339-4345.	10.0	51
114	Subcellular Cd distribution and its correlation with antioxidant enzymatic activities in wheat (<i>Triticum aestivum</i>) roots. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 874-881.	6.0	46
115	A QICAR approach for quantifying binding constants for metal-ligand complexes. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1036-1042.	6.0	27
116	Temperature affects cadmium-induced phytotoxicity involved in subcellular cadmium distribution and oxidative stress in wheat roots. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 2029-2035.	6.0	30
117	Toxicity of zinc oxide nanoparticles in the earthworm, <i>Eisenia fetida</i> and subcellular fractionation of Zn. <i>Environment International</i> , 2011, 37, 1098-1104.	10.0	115
118	Separating multiple, short-term, deleterious effects of saline solutions on the growth of cowpea seedlings. <i>New Phytologist</i> , 2011, 189, 1110-1121.	7.3	28
119	Evaluation of an electrostatic toxicity model for predicting Ni ²⁺ toxicity to barley root elongation in hydroponic cultures and in soils. <i>New Phytologist</i> , 2011, 192, 414-427.	7.3	23
120	Calcium and magnesium enhance arsenate rhizotoxicity and uptake in <i>Triticum aestivum</i> . <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1642-1648.	4.3	9
121	Toxicity of metals to roots of cowpea in relation to their binding strength. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1827-1833.	4.3	32
122	Plasma Membrane Surface Potential: Dual Effects upon Ion Uptake and Toxicity. <i>Plant Physiology</i> , 2011, 155, 808-820.	4.8	85
123	Calculated activity of Mn ²⁺ at the outer surface of the root cell plasma membrane governs Mn nutrition of cowpea seedlings. <i>Journal of Experimental Botany</i> , 2011, 62, 3993-4001.	4.8	24
124	A novel approach for predicting the uptake and toxicity of metallic and metalloid ions. <i>Plant Signaling and Behavior</i> , 2011, 6, 461-465.	2.4	2
125	Evaluating mechanisms for plant-ion (Ca ²⁺ , Cu ²⁺ , Cd ²⁺ or Ni ²⁺) interactions and their effectiveness on rhizotoxicity. <i>Plant and Soil</i> , 2010, 334, 277-288.	3.7	30
126	Uptake pathways and toxicity of Cd and Zn in the earthworm <i>Eisenia fetida</i> . <i>Soil Biology and Biochemistry</i> , 2010, 42, 1045-1050.	8.8	18

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127	Evaluating the biotic ligand model for toxicity and the alleviation of toxicity in terms of cell membrane surface potential. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1503-1511.	4.3	9
128	The surface charge density of plant cell membranes (ζ): an attempt to resolve conflicting values for intrinsic ζ . <i>Journal of Experimental Botany</i> , 2010, 61, 2507-2518.	4.8	70
129	What role does cell membrane surface potential play in ion-plant interactions. <i>Plant Signaling and Behavior</i> , 2009, 4, 42-43.	2.4	3
130	Effects of Zn-complexes on zinc uptake by wheat (<i>Triticum aestivum</i>) roots: a comprehensive consideration of physical, chemical and biological processes on biouptake. <i>Plant and Soil</i> , 2009, 316, 177-192.	3.7	37
131	Kinetics of Cadmium Uptake and Subcellular Partitioning in the Earthworm <i>Eisenia fetida</i> Exposed to Cadmium-Contaminated Soil. <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 57, 718-724.	4.1	33
132	Effect of cation competition on cadmium uptake from solution by the earthworm <i>Eisenia Fetida</i> . <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1732-1738.	4.3	15
133	Solid/solution Cu fractionations/speciation of a Cu contaminated soil after pilot-scale electrokinetic remediation and their relationships with soil microbial and enzyme activities. <i>Environmental Pollution</i> , 2009, 157, 2203-2208.	7.5	25
134	Predicting Cd partitioning in spiked soils and bioaccumulation in the earthworm <i>Eisenia fetida</i> . <i>Applied Soil Ecology</i> , 2009, 42, 118-123.	4.3	24
135	Effect of Major Cations and pH on the Acute Toxicity of Cadmium to the Earthworm <i>Eisenia fetida</i> : Implications for the Biotic Ligand Model Approach. <i>Archives of Environmental Contamination and Toxicology</i> , 2008, 55, 70-77.	4.1	31
136	Subcellular distribution of Cd and Pb in earthworm <i>Eisenia fetida</i> as affected by Ca ²⁺ ions and Cd-Pb interaction. <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 632-637.	6.0	36
137	Cell Membrane Surface Potential (ζ) Plays a Dominant Role in the Phytotoxicity of Copper and Arsenate. <i>Plant Physiology</i> , 2008, 148, 2134-2143.	4.8	64