

Peter Christie

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

498
papers

24,606
citations

72
h-index

137
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505
ext. papers

28,911
ext. citations

6
avg, IF

7.11
L-index

#	Paper	IF	Citations
498	Significant acidification in major Chinese croplands. <i>Science</i> , 2010 , 327, 1008-10	33.3	2098
497	Reducing environmental risk by improving N management in intensive Chinese agricultural systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3041-6	11.5	1625
496	Enhanced nitrogen deposition over China. <i>Nature</i> , 2013 , 494, 459-62	50.4	1512
495	Mechanisms of silicon-mediated alleviation of abiotic stresses in higher plants: a review. <i>Environmental Pollution</i> , 2007 , 147, 422-8	9.3	693
494	Nitrogen balance and groundwater nitrate contamination: comparison among three intensive cropping systems on the North China Plain. <i>Environmental Pollution</i> , 2006 , 143, 117-25	9.3	515
493	Influence of pyrolysis temperature on properties and environmental safety of heavy metals in biochars derived from municipal sewage sludge. <i>Journal of Hazardous Materials</i> , 2016 , 320, 417-426	12.8	305
492	Changes in the soil environment from excessive application of fertilizers and manures to two contrasting intensive cropping systems on the North China Plain. <i>Environmental Pollution</i> , 2007 , 145, 497-506	9.3	289
491	Nitrogen dynamics and budgets in a winter wheat/maize cropping system in the North China Plain. <i>Field Crops Research</i> , 2003 , 83, 111-124	5.5	260
490	Exposure of soil collembolans to microplastics perturbs their gut microbiota and alters their isotopic composition. <i>Soil Biology and Biochemistry</i> , 2018 , 116, 302-310	7.5	260
489	EDTA-enhanced phytoremediation of heavy metal contaminated soil with Indian mustard and associated potential leaching risk. <i>Agriculture, Ecosystems and Environment</i> , 2004 , 102, 307-318	5.7	257
488	Enhanced adsorption of oxytetracycline to weathered microplastic polystyrene: Kinetics, isotherms and influencing factors. <i>Environmental Pollution</i> , 2018 , 243, 1550-1557	9.3	248
487	Soil contamination by phthalate esters in Chinese intensive vegetable production systems with different modes of use of plastic film. <i>Environmental Pollution</i> , 2013 , 180, 265-73	9.3	216
486	Molecular-Scale Investigation with ESI-FT-ICR-MS on Fractionation of Dissolved Organic Matter Induced by Adsorption on Iron Oxyhydroxides. <i>Environmental Science & Technology</i> , 2016 , 50, 2328-36	10.3	204
485	Uptake, translocation, and transformation of metal-based nanoparticles in plants: recent advances and methodological challenges. <i>Environmental Science: Nano</i> , 2019 , 6, 41-59	7.1	186
484	Occurrence and risk assessment of phthalate esters (PAEs) in vegetables and soils of suburban plastic film greenhouses. <i>Science of the Total Environment</i> , 2015 , 523, 129-37	10.2	181
483	Interspecific complementary and competitive interactions between intercropped maize and faba bean. <i>Plant and Soil</i> , 1999 , 212, 105-114	4.2	171
482	Influence of iron plaque on uptake and accumulation of Cd by rice (<i>Oryza sativa</i> L.) seedlings grown in soil. <i>Science of the Total Environment</i> , 2008 , 394, 361-8	10.2	163

481	Arbuscular mycorrhiza can depress translocation of zinc to shoots of host plants in soils moderately polluted with zinc. <i>Plant and Soil</i> , 2004 , 261, 209-217	4.2	162
480	Exposure to nanoplastics disturbs the gut microbiome in the soil oligochaete <i>Enchytraeus crypticus</i> . <i>Environmental Pollution</i> , 2018 , 239, 408-415	9.3	161
479	Behavior of decabromodiphenyl ether (BDE-209) in the soil-plant system: uptake, translocation, and metabolism in plants and dissipation in soil. <i>Environmental Science & Technology</i> , 2010 , 44, 663-703	10.3	157
478	Effect of bioaugmentation by <i>Paracoccus</i> sp. strain HPD-2 on the soil microbial community and removal of polycyclic aromatic hydrocarbons from an aged contaminated soil. <i>Bioresource Technology</i> , 2010 , 101, 3437-43	11	151
477	Soil contamination and plant uptake of heavy metals at polluted sites in China. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003 , 38, 823-38	2.3	151
476	Environmental implications of low nitrogen use efficiency in excessively fertilized hot pepper (<i>Capsicum frutescens</i> L.) cropping systems. <i>Agriculture, Ecosystems and Environment</i> , 2005 , 111, 70-80	5.7	151
475	Effects of EDTA and low molecular weight organic acids on soil solution properties of a heavy metal polluted soil. <i>Chemosphere</i> , 2003 , 50, 819-22	8.4	149
474	The role of arbuscular mycorrhiza in zinc uptake by red clover growing in a calcareous soil spiked with various quantities of zinc. <i>Chemosphere</i> , 2003 , 50, 839-46	8.4	148
473	Dissolution and microstructural transformation of ZnO nanoparticles under the influence of phosphate. <i>Environmental Science & Technology</i> , 2012 , 46, 7215-21	10.3	144
472	Evaluation of current fertilizer practice and soil fertility in vegetable production in the Beijing region. <i>Nutrient Cycling in Agroecosystems</i> , 2004 , 69, 51-58	3.3	144
471	Effects of plastic film residues on occurrence of phthalates and microbial activity in soils. <i>Chemosphere</i> , 2016 , 151, 171-7	8.4	141
470	Interspecific facilitation of nutrient uptake by intercropped maize and faba bean. <i>Nutrient Cycling in Agroecosystems</i> , 2003 , 65, 61-71	3.3	135
469	Cumulative effects of bamboo sawdust addition on pyrolysis of sewage sludge: Biochar properties and environmental risk from metals. <i>Bioresource Technology</i> , 2017 , 228, 218-226	11	131
468	Processes and factors controlling N ₂ O production in an intensively managed low carbon calcareous soil under sub-humid monsoon conditions. <i>Environmental Pollution</i> , 2011 , 159, 1007-16	9.3	128
467	Accumulation, speciation and uptake pathway of ZnO nanoparticles in maize. <i>Environmental Science: Nano</i> , 2015 , 2, 68-77	7.1	126
466	Water management affects arsenic and cadmium accumulation in different rice cultivars. <i>Environmental Geochemistry and Health</i> , 2013 , 35, 767-78	4.7	121
465	Greenhouse gas emissions from a wheat-maize double cropping system with different nitrogen fertilization regimes. <i>Environmental Pollution</i> , 2013 , 176, 198-207	9.3	121
464	Influence of <i>Rhizobium meliloti</i> on phytoremediation of polycyclic aromatic hydrocarbons by alfalfa in an aged contaminated soil. <i>Journal of Hazardous Materials</i> , 2011 , 186, 1271-6	12.8	117

463	Plant uptake and dissipation of PBDEs in the soils of electronic waste recycling sites. <i>Environmental Pollution</i> , 2011 , 159, 238-243	9.3	115
462	Changes in soil solution Zn and pH and uptake of Zn by arbuscular mycorrhizal red clover in Zn-contaminated soil. <i>Chemosphere</i> , 2001 , 42, 201-7	8.4	110
461	Contribution of arbuscular mycorrhizal fungi to utilization of organic sources of phosphorus by red clover in a calcareous soil. <i>Applied Soil Ecology</i> , 2003 , 22, 139-148	5	109
460	Influence of the arbuscular mycorrhizal fungus <i>Glomus mosseae</i> on uptake of arsenate by the As hyperaccumulator fern <i>Pteris vittata</i> L. <i>Mycorrhiza</i> , 2005 , 15, 187-92	3.9	109
459	Transport of 15N from a soil compartment separated by a polytetrafluoroethylene membrane to plant roots via the hyphae of arbuscular mycorrhizal fungi. <i>New Phytologist</i> , 2000 , 146, 155-161	9.8	106
458	Effects of combined application of organic amendments and fertilizers on crop yield and soil organic matter: An integrated analysis of long-term experiments. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 225, 86-92	5.7	106
457	Decomposition of silicate minerals by <i>Bacillus mucilaginosus</i> in liquid culture. <i>Environmental Geochemistry and Health</i> , 2006 , 28, 133-40	4.7	105
456	Effects of multiple heavy metal contamination and repeated phytoextraction by <i>Sedum plumbizincicola</i> on soil microbial properties. <i>European Journal of Soil Biology</i> , 2010 , 46, 18-26	2.9	100
455	Crop acquisition of phosphorus, iron and zinc from soil in cereal/legume intercropping systems: a critical review. <i>Annals of Botany</i> , 2016 , 117, 363-77	4.1	98
454	Combined toxicity of cadmium and arsenate to wheat seedlings and plant uptake and antioxidative enzyme responses to cadmium and arsenate co-contamination. <i>Ecotoxicology and Environmental Safety</i> , 2007 , 68, 305-13	7	98
453	Ammonia-oxidation as an engine to generate nitrous oxide in an intensively managed calcareous fluvo-aquic soil. <i>Scientific Reports</i> , 2014 , 4, 3950	4.9	97
452	Antibiotics Disturb the Microbiome and Increase the Incidence of Resistance Genes in the Gut of a Common Soil Collembolan. <i>Environmental Science & Technology</i> , 2018 , 52, 3081-3090	10.3	93
451	Maize yield and soil fertility with combined use of compost and inorganic fertilizers on a calcareous soil on the North China Plain. <i>Soil and Tillage Research</i> , 2016 , 155, 85-94	6.5	93
450	Overyielding and interspecific interactions mediated by nitrogen fertilization in strip intercropping of maize with faba bean, wheat and barley. <i>Plant and Soil</i> , 2011 , 339, 147-161	4.2	91
449	Uptake of Zn by arbuscular mycorrhizal white clover from Zn-contaminated soil. <i>Chemosphere</i> , 2001 , 42, 193-9	8.4	90
448	Bioavailability of Copper and Zinc in Soils Treated with Alkaline Stabilized Sewage Sludges. <i>Journal of Environmental Quality</i> , 1998 , 27, 335-342	3.4	89
447	Trophic predator-prey relationships promote transport of microplastics compared with the single <i>Hypoaspis aculeifer</i> and <i>Folsomia candida</i> . <i>Environmental Pollution</i> , 2018 , 235, 150-154	9.3	88
446	Organic manure phosphorus accumulation, mobility and management. <i>Soil Use and Management</i> , 1998 , 14, 154-159	3.1	88

445	Effects of water management on arsenic and cadmium speciation and accumulation in an upland rice cultivar. <i>Journal of Environmental Sciences</i> , 2015 , 27, 225-31	6.4	87
444	Effect of water management on cadmium and arsenic accumulation by rice (<i>Oryza sativa</i> L.) with different metal accumulation capacities. <i>Journal of Soils and Sediments</i> , 2013 , 13, 916-924	3.4	87
443	Soil Cd availability to Indian mustard and environmental risk following EDTA addition to Cd-contaminated soil. <i>Chemosphere</i> , 2003 , 50, 813-8	8.4	86
442	In situ phytoremediation of PAH-contaminated soil by intercropping alfalfa (<i>Medicago sativa</i> L.) with tall fescue (<i>Festuca arundinacea</i> Schreb.) and associated soil microbial activity. <i>Journal of Soils and Sediments</i> , 2011 , 11, 980-989	3.4	85
441	Residues and potential ecological risks of veterinary antibiotics in manures and composts associated with protected vegetable farming. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 5908-18	5.1	84
440	Effects of non-flooded mulching cultivation on crop yield, nutrient uptake and nutrient balance in rice-wheat cropping systems. <i>Field Crops Research</i> , 2003 , 83, 297-311	5.5	82
439	Nitrogen and phosphorus leaching losses from intensively managed paddy fields with straw retention. <i>Agricultural Water Management</i> , 2014 , 141, 66-73	5.9	81
438	A modified glass bead compartment cultivation system for studies on nutrient and trace metal uptake by arbuscular mycorrhiza. <i>Chemosphere</i> , 2001 , 42, 185-92	8.4	81
437	Phytotoxicity of ZnO nanoparticles and the released Zn(II) ion to corn (<i>Zea mays</i> L.) and cucumber (<i>Cucumis sativus</i> L.) during germination. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 11109-17	5.1	80
436	Arbuscular mycorrhizal fungal diversity along a Tibetan elevation gradient. <i>Pedobiologia</i> , 2012 , 55, 145-157	5.7	79
435	Effects of repeated fertilizer and cattle slurry applications over 38 years on N dynamics in a temperate grassland soil. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1362-1371	7.5	79
434	Mercury, cadmium and lead concentrations in different ecophysiological groups of earthworms in forest soils. <i>Environmental Pollution</i> , 2008 , 156, 1304-13	9.3	78
433	Nitrous oxide and methane emissions from optimized and alternative cereal cropping systems on the North China Plain: a two-year field study. <i>Science of the Total Environment</i> , 2014 , 472, 112-24	10.2	77
432	Simultaneous extraction of four classes of antibiotics in soil, manure and sewage sludge and analysis by liquid chromatography-tandem mass spectrometry with the isotope-labelled internal standard method. <i>Analytical Methods</i> , 2013 , 5, 3721	3.2	77
431	Net global warming potential and greenhouse gas intensity in a double-cropping cereal rotation as affected by nitrogen and straw management. <i>Biogeosciences</i> , 2013 , 10, 7897-7911	4.6	77
430	Phthalate esters contamination in soil and plants on agricultural land near an electronic waste recycling site. <i>Environmental Geochemistry and Health</i> , 2013 , 35, 465-76	4.7	75
429	Effects of EDTA application and arbuscular mycorrhizal colonization on growth and zinc uptake by maize (<i>Zea mays</i> L.) in soil experimentally contaminated with zinc. <i>Plant and Soil</i> , 2004 , 261, 219-229	4.2	74
428	New estimates of direct N ₂ O emissions from Chinese croplands from 1980 to 2007 using localized emission factors. <i>Biogeosciences</i> , 2011 , 8, 3011-3024	4.6	73

427	Influence of <i>Glomus etunicatum</i> / <i>Zea mays</i> mycorrhiza on atrazine degradation, soil phosphatase and dehydrogenase activities, and soil microbial community structure. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 726-734	7.5	72
426	Calculation of theoretical nitrogen rate for simple nitrogen recommendations in intensive cropping systems: A case study on the North China Plain. <i>Field Crops Research</i> , 2011 , 124, 450-458	5.5	71
425	Soil organic carbon and total nitrogen in intensively managed arable soils. <i>Agriculture, Ecosystems and Environment</i> , 2012 , 150, 102-110	5.7	70
424	Arbuscular mycorrhizal fungi in soil and roots respond differently to phosphorus inputs in an intensively managed calcareous agricultural soil. <i>Scientific Reports</i> , 2016 , 6, 24902	4.9	70
423	Response of the soil microbial community to different fertilizer inputs in a wheat-maize rotation on a calcareous soil. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 260, 58-69	5.7	69
422	Repeated phytoextraction of four metal-contaminated soils using the cadmium/zinc hyperaccumulator <i>Sedum plumbizincicola</i> . <i>Environmental Pollution</i> , 2014 , 189, 176-83	9.3	69
421	Long-term field phytoextraction of zinc/cadmium contaminated soil by <i>Sedum plumbizincicola</i> under different agronomic strategies. <i>International Journal of Phytoremediation</i> , 2016 , 18, 134-40	3.9	68
420	Total concentrations of heavy metals and occurrence of antibiotics in sewage sludges from cities throughout China. <i>Journal of Soils and Sediments</i> , 2014 , 14, 1123-1135	3.4	68
419	Long-term effects of potassium fertilization on yield, efficiency, and soil fertility status in a rain-fed maize system in northeast China. <i>Field Crops Research</i> , 2014 , 163, 1-9	5.5	68
418	Potential for biodegradation of polychlorinated biphenyls (PCBs) by <i>Sinorhizobium meliloti</i> . <i>Journal of Hazardous Materials</i> , 2011 , 186, 1438-44	12.8	68
417	Uptake and acropetal translocation of polycyclic aromatic hydrocarbons by wheat (<i>Triticum aestivum</i> L.) grown in field-contaminated soil. <i>Environmental Science & Technology</i> , 2009 , 43, 3556-60	10.3	67
416	Effects of 44 years of chronic nitrogen fertilization on the soil nitrifying community of permanent grassland. <i>Soil Biology and Biochemistry</i> , 2015 , 91, 76-83	7.5	66
415	Identifying sources of soil inorganic pollutants on a regional scale using a multivariate statistical approach: role of pollutant migration and soil physicochemical properties. <i>Environmental Pollution</i> , 2008 , 151, 470-6	9.3	64
414	Sequestration of As by iron plaque on the roots of three rice (<i>Oryza sativa</i> L.) cultivars in a low-P soil with or without P fertilizer. <i>Environmental Geochemistry and Health</i> , 2005 , 27, 169-76	4.7	64
413	Soil solution Zn and pH dynamics in non-rhizosphere soil and in the rhizosphere of <i>Thlaspi caerulescens</i> grown in a Zn/Cd-contaminated soil. <i>Chemosphere</i> , 2000 , 41, 161-4	8.4	64
412	Soil microbial community structure and activity along a montane elevational gradient on the Tibetan Plateau. <i>European Journal of Soil Biology</i> , 2014 , 64, 6-14	2.9	63
411	Occurrence and distribution of heavy metals and tetracyclines in agricultural soils after typical land use change in east China. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 8342-54	5.1	63
410	Effects of soil amendment with different carbon sources and other factors on the bioremediation of an aged PAH-contaminated soil. <i>Biodegradation</i> , 2010 , 21, 167-78	4.1	63

409	DDT uptake by arbuscular mycorrhizal alfalfa and depletion in soil as influenced by soil application of a non-ionic surfactant. <i>Environmental Pollution</i> , 2008 , 151, 569-75	9.3	62
408	Twenty years of research on community composition and species distribution of arbuscular mycorrhizal fungi in China: a review. <i>Mycorrhiza</i> , 2006 , 16, 229-239	3.9	62
407	Influence of arbuscular mycorrhiza and Rhizobium on phytoremediation by alfalfa of an agricultural soil contaminated with weathered PCBs: a field study. <i>International Journal of Phytoremediation</i> , 2010 , 12, 516-33	3.9	61
406	Uptake of zinc, cadmium and phosphorus by arbuscular mycorrhizal maize (<i>Zea mays</i> L.) from a low available phosphorus calcareous soil spiked with zinc and cadmium. <i>Environmental Geochemistry and Health</i> , 2006 , 28, 111-9	4.7	61
405	Mobilization of sparingly soluble inorganic phosphates by the external mycelium of an abuscular mycorrhizal fungus. <i>Plant and Soil</i> , 2001 , 230, 279-285	4.2	61
404	The impact of alternative cropping systems on global warming potential, grain yield and groundwater use. <i>Agriculture, Ecosystems and Environment</i> , 2015 , 203, 46-54	5.7	60
403	Uptake of cadmium from an experimentally contaminated calcareous soil by arbuscular mycorrhizal maize (<i>Zea mays</i> L.). <i>Mycorrhiza</i> , 2004 , 14, 347-54	3.9	59
402	Effects of organic matter fraction and compositional changes on distribution of cadmium and zinc in long-term polluted paddy soils. <i>Environmental Pollution</i> , 2018 , 232, 514-522	9.3	58
401	Molecular diversity of arbuscular mycorrhizal fungi associated with two co-occurring perennial plant species on a Tibetan altitudinal gradient. <i>Mycorrhiza</i> , 2014 , 24, 95-107	3.9	58
400	Size fractionation and characterization of nanocolloidal particles in soils. <i>Environmental Geochemistry and Health</i> , 2009 , 31, 1-10	4.7	58
399	Changes in soil carbon and nitrogen pools after shifting from conventional cereal to greenhouse vegetable production. <i>Soil and Tillage Research</i> , 2010 , 107, 80-87	6.5	58
398	Levels, distributions and sources of veterinary antibiotics in the sediments of the Bohai Sea in China and surrounding estuaries. <i>Marine Pollution Bulletin</i> , 2016 , 109, 597-602	6.7	58
397	Contribution of interspecific interactions and phosphorus application to sustainable and productive intercropping systems. <i>Field Crops Research</i> , 2013 , 154, 53-64	5.5	56
396	Influence of early stages of arbuscular mycorrhiza on uptake of zinc and phosphorus by red clover from a low-phosphorus soil amended with zinc and phosphorus. <i>Chemosphere</i> , 2003 , 50, 831-7	8.4	56
395	Whole genome analysis of halotolerant and alkalotolerant plant growth-promoting rhizobacterium <i>Klebsiella</i> sp. D5A. <i>Scientific Reports</i> , 2016 , 6, 26710	4.9	55
394	Occurrence and distribution of arbuscular mycorrhizal fungal species in three types of grassland community of the Tibetan Plateau. <i>Ecological Research</i> , 2009 , 24, 1345-1350	1.9	55
393	Yield and arsenate uptake of arbuscular mycorrhizal tomato colonized by <i>Glomus mosseae</i> BEG167 in As spiked soil under glasshouse conditions. <i>Environment International</i> , 2005 , 31, 867-73	12.9	55
392	Contribution of arbuscular mycorrhizal fungi of sedges to soil aggregation along an altitudinal alpine grassland gradient on the Tibetan Plateau. <i>Environmental Microbiology</i> , 2015 , 17, 2841-57	5.2	54

391	Assessment of EDTA heap leaching of an agricultural soil highly contaminated with heavy metals. <i>Chemosphere</i> , 2014 , 117, 532-7	8.4	54
390	Nitrogen enrichment enhances the dominance of grasses over forbs in a temperate steppe ecosystem. <i>Biogeosciences</i> , 2011 , 8, 2341-2350	4.6	54
389	The arbuscular mycorrhizal fungus <i>Glomus mosseae</i> can enhance arsenic tolerance in <i>Medicago truncatula</i> by increasing plant phosphorus status and restricting arsenate uptake. <i>Environmental Pollution</i> , 2008 , 156, 215-20	9.3	54
388	Intercropping enhances productivity and maintains the most soil fertility properties relative to sole cropping. <i>PLoS ONE</i> , 2014 , 9, e113984	3.7	54
387	Occurrence of phthalate esters in river sediments in areas with different land use patterns. <i>Science of the Total Environment</i> , 2014 , 500-501, 113-9	10.2	53
386	Intercropping maintains soil fertility in terms of chemical properties and enzyme activities on a timescale of one decade. <i>Plant and Soil</i> , 2015 , 391, 265-282	4.2	53
385	Behavior of decabromodiphenyl ether (BDE-209) in soil: effects of rhizosphere and mycorrhizal colonization of ryegrass roots. <i>Environmental Pollution</i> , 2011 , 159, 749-53	9.3	53
384	Prepared bed bioremediation of oily sludge in an oilfield in northern China. <i>Journal of Hazardous Materials</i> , 2009 , 161, 479-84	12.8	52
383	Geographical variation in arsenic, cadmium, and lead of soils and rice in the major rice producing regions of China. <i>Science of the Total Environment</i> , 2019 , 677, 373-381	10.2	51
382	Dynamics of root length and distribution and shoot biomass of maize as affected by intercropping with different companion crops and phosphorus application rates. <i>Field Crops Research</i> , 2013 , 150, 52-62	5.5	51
381	Cadmium bioavailability in surface soils receiving long-term applications of inorganic fertilizers and pig manure. <i>Geoderma</i> , 2012 , 173-174, 224-230	6.7	51
380	Non-target effects of repeated chlorothalonil application on soil nitrogen cycling: The key functional gene study. <i>Science of the Total Environment</i> , 2016 , 543, 636-643	10.2	50
379	Influence of root zone nitrogen management and a summer catch crop on cucumber yield and soil mineral nitrogen dynamics in intensive production systems. <i>Plant and Soil</i> , 2008 , 313, 55-70	4.2	50
378	Interactions between non-flooded mulching cultivation and varying nitrogen inputs in rice/wheat rotations. <i>Field Crops Research</i> , 2005 , 91, 307-318	5.5	50
377	Exposure of a Soil Collembolan to Ag Nanoparticles and AgNO Disturbs Its Associated Microbiota and Lowers the Incidence of Antibiotic Resistance Genes in the Gut. <i>Environmental Science & Technology</i> , 2018 , 52, 12748-12756	10.3	50
376	Changes in soil carbon and nitrogen pools in a Mollisol after long-term fallow or application of chemical fertilizers, straw or manures. <i>Soil and Tillage Research</i> , 2016 , 163, 255-265	6.5	49
375	Root distribution and interactions in jujube tree/wheat agroforestry system. <i>Agroforestry Systems</i> , 2013 , 87, 929-939	2	49
374	Slow release chelate enhancement of lead phytoextraction by corn (<i>Zea mays</i> L.) from contaminated soil—a preliminary study. <i>Science of the Total Environment</i> , 2005 , 339, 179-87	10.2	48

373	Nitrogen deposition and its contribution to nutrient inputs to intensively managed agricultural ecosystems 2010 , 20, 80-90		47
372	Phenanthrene adsorption by soils treated with humic substances under different pH and temperature conditions. <i>Environmental Geochemistry and Health</i> , 2006 , 28, 189-95	4.7	47
371	Degradation of benzo[a]pyrene in soil with arbuscular mycorrhizal alfalfa. <i>Environmental Geochemistry and Health</i> , 2004 , 26, 285-93	4.7	47
370	Enhanced uptake of soil Pb and Zn by Indian mustard and winter wheat following combined soil application of elemental sulphur and EDTA. <i>Plant and Soil</i> , 2004 , 261, 181-188	4.2	47
369	Chemical speciation and extractability of Zn, Cu and Cd in two contrasting biosolids-amended clay soils. <i>Chemosphere</i> , 2003 , 50, 823-9	8.4	47
368	Plant-soil feedback contributes to intercropping overyielding by reducing the negative effect of take-all on wheat and compensating the growth of faba bean. <i>Plant and Soil</i> , 2017 , 415, 1-12	4.2	46
367	Mechanisms by which organic fertilizer and effective microbes mitigate peanut continuous cropping yield constraints in a red soil of south China. <i>Applied Soil Ecology</i> , 2018 , 128, 23-34	5	46
366	Inner Mongolian steppe arbuscular mycorrhizal fungal communities respond more strongly to water availability than to nitrogen fertilization. <i>Environmental Microbiology</i> , 2015 , 17, 3051-68	5.2	46
365	Maize/faba bean intercropping with rhizobia inoculation enhances productivity and recovery of fertilizer P in a reclaimed desert soil. <i>Field Crops Research</i> , 2012 , 130, 19-27	5.5	46
364	Improving prediction of metal uptake by Chinese cabbage (<i>Brassica pekinensis</i> L.) based on a soil-plant stepwise analysis. <i>Science of the Total Environment</i> , 2016 , 569-570, 1595-1605	10.2	46
363	Root zone soil nitrogen management to maintain high tomato yields and minimum nitrogen losses to the environment. <i>Scientia Horticulturae</i> , 2010 , 125, 25-33	4.1	45
362	Adsorption of mercury on lignin: combined surface complexation modeling and X-ray absorption spectroscopy studies. <i>Environmental Pollution</i> , 2012 , 162, 255-61	9.3	44
361	Nitrate facilitates cadmium uptake, transport and accumulation in the hyperaccumulator <i>Sedum plumbizincicola</i> . <i>Environmental Science and Pollution Research</i> , 2013 , 20, 6306-16	5.1	44
360	Arsenic uptake by arbuscular mycorrhizal maize (<i>Zea mays</i> L.) grown in an arsenic-contaminated soil with added phosphorus. <i>Journal of Environmental Sciences</i> , 2007 , 19, 1245-51	6.4	44
359	Crop Yields, Internal Nutrient Efficiency, and Changes in Soil Properties in Rice/Wheat Rotations Under Non-Flooded Mulching Cultivation. <i>Plant and Soil</i> , 2005 , 277, 265-276	4.2	44
358	Nitrogen in Two Contrasting Antarctic Bryophyte Communities. <i>Journal of Ecology</i> , 1987 , 75, 73	6	44
357	Distribution of heavy metals in soils of the Yellow River Delta: concentrations in different soil horizons and source identification. <i>Journal of Soils and Sediments</i> , 2014 , 14, 1158-1168	3.4	43
356	No significant nitrous oxide emissions during spring thaw under grazing and nitrogen addition in an alpine grassland. <i>Global Change Biology</i> , 2012 , 18, 2546-2554	11.4	43

355	Allelopathic potential of watermelon tissues and root exudates. <i>Scientia Horticulturae</i> , 2007 , 112, 315-320	4.1	43
354	Agronomic Value of Alkaline-Stabilized Sewage Biosolids for Spring Barley. <i>Agronomy Journal</i> , 2001 , 93, 144-151	2.2	43
353	Are mycorrhizas absent from the antarctic?. <i>Transactions of the British Mycological Society</i> , 1983 , 80, 557-560		43
352	Occurrence and risk assessment of potentially toxic elements and typical organic pollutants in contaminated rural soils. <i>Science of the Total Environment</i> , 2018 , 630, 618-629	10.2	42
351	Effects of organic amendments on Cd, Zn and Cu bioavailability in soil with repeated phytoremediation by <i>Sedum plumbizincicola</i> . <i>International Journal of Phytoremediation</i> , 2012 , 14, 1024-38	3.9	42
350	Interactions between selenium and iodine uptake by spinach (<i>Spinacia oleracea</i> L.) in solution culture. <i>Plant and Soil</i> , 2004 , 261, 99-105	4.2	42
349	Grassland Soil Microbial Biomass and Accumulation of Potentially Toxic Metals from Long-Term Slurry Application. <i>Journal of Applied Ecology</i> , 1989 , 26, 597	5.8	42
348	Biological mobilization of potassium from clay minerals by ectomycorrhizal fungi and eucalypt seedling roots. <i>Plant and Soil</i> , 2004 , 262, 351-361	4.2	41
347	Growth and nutrient uptake of arbuscular mycorrhizal maize in different depths of soil overlying coal fly ash. <i>Chemosphere</i> , 2003 , 50, 863-9	8.4	41
346	The influence of neighbouring grassland plants on each others' endomycorrhizas and root-surface microorganisms. <i>Soil Biology and Biochemistry</i> , 1978 , 10, 521-527	7.5	41
345	Improved approaches for modeling the sorption of phenanthrene by a range of plant species. <i>Environmental Science & Technology</i> , 2007 , 41, 7818-23	10.3	40
344	Enrichment of the soil microbial community in the bioremediation of a petroleum-contaminated soil amended with rice straw or sawdust. <i>Chemosphere</i> , 2019 , 224, 265-271	8.4	39
343	Methyl-beta-cyclodextrin enhanced biodegradation of polycyclic aromatic hydrocarbons and associated microbial activity in contaminated soil. <i>Journal of Environmental Sciences</i> , 2012 , 24, 926-33	6.4	39
342	Enhanced dissipation of phenanthrene in spiked soil by arbuscular mycorrhizal alfalfa combined with a non-ionic surfactant amendment. <i>Science of the Total Environment</i> , 2008 , 394, 230-6	10.2	39
341	Some long-term effects of slurry on grassland. <i>Journal of Agricultural Science</i> , 1987 , 108, 529-541	1	39
340	Effects of different concentrations and application frequencies of oxytetracycline on soil enzyme activities and microbial community diversity. <i>European Journal of Soil Biology</i> , 2016 , 76, 53-60	2.9	39
339	Phytoremediation of soil contaminated with cadmium, copper and polychlorinated biphenyls. <i>International Journal of Phytoremediation</i> , 2012 , 14, 570-84	3.9	38
338	Effect of mixed soil microbiomes on pyrene removal and the response of the soil microorganisms. <i>Science of the Total Environment</i> , 2018 , 640-641, 9-17	10.2	38

337	Arbuscular mycorrhizal fungi associated with wild forage plants in typical steppe of eastern Inner Mongolia. <i>European Journal of Soil Biology</i> , 2009 , 45, 321-327	2.9	37
336	Phenanthrene uptake by <i>Medicago sativa</i> L. under the influence of an arbuscular mycorrhizal fungus. <i>Environmental Pollution</i> , 2009 , 157, 1613-8	9.3	37
335	Diversity of arbuscular mycorrhizal fungi associated with desert ephemerals in plant communities of Junggar Basin, northwest China. <i>Applied Soil Ecology</i> , 2007 , 35, 10-20	5	37
334	An evaluation of atmospheric Nr pollution and deposition in North China after the Beijing Olympics. <i>Atmospheric Environment</i> , 2013 , 74, 209-216	5.3	36
333	Control of Fusarium Wilt of Cucumber Seedlings by Inoculation with an Arbuscular Mycorrhizal Fungus. <i>Journal of Plant Nutrition</i> , 2005 , 28, 1961-1974	2.3	36
332	Accumulation and chemical fractionation of Cu in a paddy soil irrigated with Cu-rich wastewater. <i>Geoderma</i> , 2003 , 115, 113-120	6.7	36
331	Nontargeted metabolomic analysis to unravel the impact of di (2-ethylhexyl) phthalate stress on root exudates of alfalfa (<i>Medicago sativa</i>). <i>Science of the Total Environment</i> , 2019 , 646, 212-219	10.2	35
330	Interspecific interactions alter root length density, root diameter and specific root length in jujube/wheat agroforestry systems. <i>Agroforestry Systems</i> , 2014 , 88, 835-850	2	35
329	Major nutrients, heavy metals and PBDEs in soils after long-term sewage sludge application. <i>Journal of Soils and Sediments</i> , 2012 , 12, 531-541	3.4	35
328	Arbuscular mycorrhizal fungi in degraded typical steppe of inner Mongolia. <i>Land Degradation and Development</i> , 2009 , 20, 41-54	4.4	35
327	Biosurfactant-producing microorganism <i>Pseudomonas</i> sp. SB assists the phytoremediation of DDT-contaminated soil by two grass species. <i>Chemosphere</i> , 2017 , 182, 137-142	8.4	34
326	Collection and analysis of root exudates of <i>Festuca arundinacea</i> L. and their role in facilitating the phytoremediation of petroleum-contaminated soil. <i>Plant and Soil</i> , 2015 , 389, 109-119	4.2	34
325	Changes in metal availability, desorption kinetics and speciation in contaminated soils during repeated phytoextraction with the Zn/Cd hyperaccumulator <i>Sedum plumbizincicola</i> . <i>Environmental Pollution</i> , 2016 , 209, 123-31	9.3	34
324	Rape (<i>Brassica chinensis</i> L.) seed germination, seedling growth, and physiology in soil polluted with di-n-butyl phthalate and bis(2-ethylhexyl) phthalate. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 5289-98	5.1	34
323	Isolation and Identification of a Di-(2-Ethylhexyl) Phthalate-Degrading Bacterium and Its Role in the Bioremediation of a Contaminated Soil. <i>Pedosphere</i> , 2015 , 25, 202-211	5	34
322	Effects of alfalfa and organic fertilizer on benzo[a]pyrene dissipation in an aged contaminated soil. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 1605-11	5.1	34
321	Influence of external zinc and phosphorus supply on Cd uptake by rice (<i>Oryza sativa</i> L.) seedlings with root surface iron plaque. <i>Plant and Soil</i> , 2007 , 300, 105-115	4.2	34
320	A preliminary survey of the arbuscular mycorrhizal status of grassland plants in southern Tibet. <i>Mycorrhiza</i> , 2006 , 16, 191-196	3.9	34

319	Iron Nutrition of Peanut Enhanced by Mixed Cropping with Maize: Possible Role of Root Morphology and Rhizosphere Microflora. <i>Journal of Plant Nutrition</i> , 2003 , 26, 2093-2110	2.3	34
318	The specificity of arbuscular mycorrhizal fungi in perennial ryegrass-white clover pasture. <i>Agriculture, Ecosystems and Environment</i> , 2000 , 77, 211-218	5.7	34
317	Vesicular-arbuscular mycorrhiza infection in cut grassland following long-term slurry application. <i>Soil Biology and Biochemistry</i> , 1992 , 24, 325-330	7.5	34
316	Organic fertilizer, but not heavy liming, enhances banana biomass, increases soil organic carbon and modifies soil microbiota. <i>Applied Soil Ecology</i> , 2019 , 136, 67-79	5	34
315	Application of biosolids drives the diversity of antibiotic resistance genes in soil and lettuce at harvest. <i>Soil Biology and Biochemistry</i> , 2018 , 122, 131-140	7.5	34
314	Removal of phthalic esters from contaminated soil using different cropping systems: A field study. <i>European Journal of Soil Biology</i> , 2012 , 50, 76-82	2.9	33
313	Arbuscular mycorrhizal status of spring ephemerals in the desert ecosystem of Junggar Basin, China. <i>Mycorrhiza</i> , 2006 , 16, 269-275	3.9	33
312	Agronomic and environmental causes of yield and nitrogen use efficiency gaps in Chinese rice farming systems. <i>European Journal of Agronomy</i> , 2018 , 93, 40-49	5	32
311	Dynamics of plant metal uptake and metal changes in whole soil and soil particle fractions during repeated phytoextraction. <i>Plant and Soil</i> , 2014 , 374, 857-869	4.2	32
310	Crop nitrogen use and soil mineral nitrogen accumulation under different crop combinations and patterns of strip intercropping in northwest China. <i>Plant and Soil</i> , 2011 , 342, 221-231	4.2	32
309	New insights into the influence of heavy metals on phenanthrene sorption in soils. <i>Environmental Science & Technology</i> , 2010 , 44, 7846-51	10.3	32
308	Pre-inoculation with arbuscular mycorrhizal fungi suppresses root knot nematode (<i>Meloidogyne incognita</i>) on cucumber (<i>Cucumis sativus</i>). <i>Biology and Fertility of Soils</i> , 2008 , 45, 205-211	6.1	32
307	Co-pyrolysis of sewage sludge and rice husk/ bamboo sawdust for biochar with high aromaticity and low metal mobility. <i>Environmental Research</i> , 2020 , 191, 110034	7.9	32
306	Altitudinal distribution patterns of AM fungal assemblages in a Tibetan alpine grassland. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4.3	31
305	Facilitating effects of metal cations on phenanthrene sorption in soils. <i>Environmental Science & Technology</i> , 2008 , 42, 2414-9	10.3	31
304	Bi-directional transfer of phosphorus between red clover and perennial ryegrass via arbuscular mycorrhizal hyphal links. <i>European Journal of Soil Biology</i> , 2003 , 39, 47-54	2.9	31
303	Temporal and spatial distribution of roots as affected by interspecific interactions in a young walnut/wheat alley cropping system in northwest China. <i>Agroforestry Systems</i> , 2015 , 89, 327-343	2	30
302	Rhizosphere concentrations of zinc and cadmium in a metal contaminated soil after repeated phytoextraction by <i>Sedum plumbizincicola</i> . <i>International Journal of Phytoremediation</i> , 2011 , 13, 750-64	3.9	30

301	Wheat powdery mildew and foliar N concentrations as influenced by N fertilization and belowground interactions with intercropped faba bean. <i>Plant and Soil</i> , 2007 , 291, 1-13	4.2	30
300	Copper uptake by four <i>Elsholtzia</i> ecotypes supplied with varying levels of copper in solution culture. <i>Environment International</i> , 2005 , 31, 880-4	12.9	30
299	A study on the improvement iron nutrition of peanut intercropping with maize on nitrogen fixation at early stages of growth of peanut on a calcareous soil. <i>Soil Science and Plant Nutrition</i> , 2004 , 50, 1071-1078	1.6	30
298	Long-term nutrient fertilization and the carbon balance of permanent grassland: any evidence for sustainable intensification?. <i>Biogeosciences</i> , 2016 , 13, 4975-4984	4.6	30
297	Land Use Influences Antibiotic Resistance in the Microbiome of Soil Collembolans <i>Orchesellides sinensis</i> . <i>Environmental Science & Technology</i> , 2018 , 52, 14088-14098	10.3	30
296	A new procedure combining GC-MS with accelerated solvent extraction for the analysis of phthalic acid esters in contaminated soils. <i>Frontiers of Environmental Science and Engineering</i> , 2013 , 7, 31-42	5.8	29
295	Isolation, identification and characterization of <i>Bacillus amyloliquefaciens</i> BZ-6, a bacterial isolate for enhancing oil recovery from oily sludge. <i>Chemosphere</i> , 2012 , 87, 1105-10	8.4	29
294	Polycyclic aromatic hydrocarbon concentrations in urban soils representing different land use categories in Shanghai. <i>Environmental Earth Sciences</i> , 2011 , 62, 33-42	2.9	29
293	Screening Chinese Wheat Germplasm for Phosphorus Efficiency in Calcareous Soils. <i>Journal of Plant Nutrition</i> , 2005 , 28, 489-505	2.3	29
292	Novel use of soil moisture samplers for studies on anaerobic ammonium fluxes across lake sediment-water interfaces. <i>Chemosphere</i> , 2003 , 50, 711-5	8.4	29
291	Root-induced soil acidification and cadmium mobilization in the rhizosphere of <i>Sedum plumbizincicola</i> : evidence from a high-resolution imaging study. <i>Plant and Soil</i> , 2019 , 436, 267-282	4.2	29
290	Changes in metal mobility assessed by EDTA kinetic extraction in three polluted soils after repeated phytoremediation using a cadmium/zinc hyperaccumulator. <i>Chemosphere</i> , 2018 , 194, 432-440	8.4	28
289	Occurrences of organophosphorus esters and phthalates in the microplastics from the coastal beaches in north China. <i>Science of the Total Environment</i> , 2018 , 616-617, 1505-1512	10.2	28
288	Facile method for the preparation of superhydrophobic cellulosic paper. <i>Applied Surface Science</i> , 2019 , 496, 143648	6.7	28
287	A multiyear assessment of air quality benefits from China's emerging shale gas revolution: Urumqi as a case study. <i>Environmental Science & Technology</i> , 2015 , 49, 2066-72	10.3	28
286	Nutrients can enhance phytoremediation of copper-polluted soil by Indian mustard. <i>Environmental Geochemistry and Health</i> , 2004 , 26, 331-5	4.7	28
285	Effects of soil drying and wetting-drying cycles on the availability of heavy metals and their relationship to dissolved organic matter. <i>Journal of Soils and Sediments</i> , 2015 , 15, 1510-1519	3.4	27
284	Temporal Differentiation of Crop Growth as One of the Drivers of Intercropping Yield Advantage. <i>Scientific Reports</i> , 2018 , 8, 3110	4.9	27

283	Emerging shale gas revolution in China. <i>Environmental Science & Technology</i> , 2012 , 46, 12281-2	10.3	27
282	Responses of legume and non-legume crop species to heavy metals in soils with multiple metal contamination. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002 , 37, 611-21	2.3	27
281	Choice of Extraction Technique for Soil Reducible Trace Metals Determines the Subsequent Oxidisable Metal Fraction in Sequential Extraction Schemes. <i>International Journal of Environmental Analytical Chemistry</i> , 1998 , 72, 59-75	1.8	27
280	Effect of white clover cultivar on apparent transfer of nitrogen from clover to grass and estimation of relative turnover rates of nitrogen in roots. <i>Plant and Soil</i> , 1996 , 179, 243-253	4.2	27
279	Copper changes the yield and cadmium/zinc accumulation and cellular distribution in the cadmium/zinc hyperaccumulator <i>Sedum plumbizincicola</i> . <i>Journal of Hazardous Materials</i> , 2013 , 261, 332-41	12.8	26
278	Arbuscular mycorrhizal fungi associated with sedges on the Tibetan plateau. <i>Mycorrhiza</i> , 2006 , 16, 151-157	3.7	26
277	Effects of Nitrogen and Phosphorus Fertilizers and Intercropping on Uptake of Nitrogen and Phosphorus by Wheat, Maize, and Faba Bean. <i>Journal of Plant Nutrition</i> , 2003 , 26, 629-642	2.3	26
276	Metal concentrations and mycorrhizal status of plants colonizing copper mine tailings: potential for revegetation. <i>Science in China Series C: Life Sciences</i> , 2005 , 48 Suppl 1, 156-64		26
275	Land use alters arbuscular mycorrhizal fungal communities and their potential role in carbon sequestration on the Tibetan Plateau. <i>Scientific Reports</i> , 2017 , 7, 3067	4.9	25
274	Rhizobial symbiosis alleviates polychlorinated biphenyls-induced systematic oxidative stress via brassinosteroids signaling in alfalfa. <i>Science of the Total Environment</i> , 2017 , 592, 68-77	10.2	25
273	Geographical and plant genotype effects on the formation of arbuscular mycorrhiza in <i>Avena sativa</i> and <i>Avena nuda</i> at different soil depths. <i>Biology and Fertility of Soils</i> , 2010 , 46, 435-443	6.1	25
272	Arbuscular mycorrhizal fungi contribute to overyielding by enhancing crop biomass while suppressing weed biomass in intercropping systems. <i>Plant and Soil</i> , 2016 , 406, 173-185	4.2	25
271	Biological transfer of dietary cadmium in relation to nitrogen transfer and 15N fractionation in a soil collembolan-predatory mite food chain. <i>Soil Biology and Biochemistry</i> , 2016 , 101, 207-216	7.5	25
270	Abundance and morphology of microplastics in an agricultural soil following long-term repeated application of pig manure. <i>Environmental Pollution</i> , 2021 , 272, 116028	9.3	25
269	Biodegradation of Polycyclic Aromatic Hydrocarbons (PAHs) by <i>Trichoderma reesei</i> FS10-C and Effect of Bioaugmentation on an Aged PAH-Contaminated Soil. <i>Bioremediation Journal</i> , 2015 , 19, 9-17	2.3	24
268	High morphological and physiological plasticity of wheat roots is conducive to higher competitive ability of wheat than maize in intercropping systems. <i>Plant and Soil</i> , 2015 , 397, 387-399	4.2	24
267	Pyrolysis of <i>Sedum plumbizincicola</i> , a zinc and cadmium hyperaccumulator: pyrolysis kinetics, heavy metal behaviour and bio-oil production. <i>Clean Technologies and Environmental Policy</i> , 2016 , 18, 2315-2323	4.3	24
266	Diphenylarsinic acid contaminated soil remediation by titanium dioxide (P25) photocatalysis: Degradation pathway, optimization of operating parameters and effects of soil properties. <i>Science of the Total Environment</i> , 2016 , 541, 348-355	10.2	24

265	Impact of the earthworm <i>Aporrectodea trapezoides</i> and the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> on 15N uptake by maize from wheat straw. <i>Biology and Fertility of Soils</i> , 2013 , 49, 263-271	6.1	24
264	Enhancement of faba bean competitive ability by arbuscular mycorrhizal fungi is highly correlated with dynamic nutrient acquisition by competing wheat. <i>Scientific Reports</i> , 2015 , 5, 8122	4.9	24
263	Assessment of phytoextraction using <i>Sedum plumbizincicola</i> and rice production in Cd-polluted acid paddy soils of south China: A field study. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 286, 106651	5.7	23
262	Function of Biohydrogen Metabolism and Related Microbial Communities in Environmental Bioremediation. <i>Frontiers in Microbiology</i> , 2019 , 10, 106	5.7	23
261	Use of a hyperaccumulator and biochar to remediate an acid soil highly contaminated with trace metals and/or oxytetracycline. <i>Chemosphere</i> , 2018 , 204, 390-397	8.4	23
260	Levels and patterns of organochlorine pesticides in agricultural soils in an area of extensive historical cotton cultivation in Henan province, China. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 6680-9	5.1	23
259	Growth and arsenic uptake by Chinese brake fern inoculated with an arbuscular mycorrhizal fungus. <i>Environmental and Experimental Botany</i> , 2009 , 66, 435-441	5.9	23
258	Predicting bioavailability of PAHs in field-contaminated soils by passive sampling with triolein embedded cellulose acetate membranes. <i>Environmental Pollution</i> , 2009 , 157, 545-51	9.3	23
257	Improved Nitrogen Management for an Intensive Winter Wheat/Summer Maize Double-cropping System. <i>Soil Science Society of America Journal</i> , 2012 , 76, 286-297	2.5	23
256	Seasonal temperatures have more influence than nitrogen fertilizer rates on cucumber yield and nitrogen uptake in a double cropping system. <i>Environmental Pollution</i> , 2008 , 151, 443-51	9.3	23
255	Uptake of atrazine and cadmium from soil by maize (<i>Zea mays</i> L.) in association with the arbuscular mycorrhizal fungus <i>Glomus etunicatum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 9377-82	5.7	23
254	Use of a multi-layer column device for study on leachability of nitrate in sludge-amended soils. <i>Chemosphere</i> , 2003 , 52, 1483-8	8.4	23
253	Oxytetracycline Toxicity and Its Effect on Phytoremediation by <i>Sedum plumbizincicola</i> and <i>Medicago sativa</i> in Metal-Contaminated Soil. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 8045-8053	5.7	23
252	Effect of tobacco stem-derived biochar on soil metal immobilization and the cultivation of tobacco plant. <i>Journal of Soils and Sediments</i> , 2019 , 19, 2313-2321	3.4	23
251	Effects of long-term fertilizer applications on peanut yield and quality and plant and soil heavy metal accumulation. <i>Pedosphere</i> , 2020 , 30, 555-562	5	23
250	A five-year study of the impact of nitrogen addition on methane uptake in alpine grassland. <i>Scientific Reports</i> , 2016 , 6, 32064	4.9	22
249	Physiological and Antioxidant Responses of Germinating Mung Bean Seedlings to Phthalate Esters in Soil. <i>Pedosphere</i> , 2014 , 24, 107-115	5	22
248	Botanical composition, production and nutrient status of an originally <i>Lolium perenne</i> -dominant cut grass sward receiving long-term manure applications. <i>Plant and Soil</i> , 2010 , 326, 355-367	4.2	22

247	Biomimetic accumulation of PAHs from soils by triolein-embedded cellulose acetate membranes (TECAMs) to estimate their bioavailability. <i>Water Research</i> , 2008 , 42, 754-62	12.5	22
246	Arbuscular mycorrhizal enhancement of iron concentration by <i>Poncirus trifoliata</i> L. Raf and <i>Citrus reticulata</i> Blanco grown on sand medium under different pH. <i>Biology and Fertility of Soils</i> , 2008 , 45, 65-72	6.1	22
245	Influence of extramatrical hyphae on mycorrhizal dependency of wheat genotypes. <i>Communications in Soil Science and Plant Analysis</i> , 2001 , 32, 3307-3317	1.5	22
244	FACTORS AFFECTING ARBUSCULAR MYCORRHIZAL DEPENDENCY OF WHEAT GENOTYPES WITH DIFFERENT PHOSPHORUS EFFICIENCIES. <i>Journal of Plant Nutrition</i> , 2001 , 24, 1409-1419	2.3	22
243	Toxicity effects of di-(2-ethylhexyl) phthalate to <i>Eisenia fetida</i> at enzyme, cellular and genetic levels. <i>PLoS ONE</i> , 2017 , 12, e0173957	3.7	22
242	Optimization of Ex-Situ Washing Removal of Polycyclic Aromatic Hydrocarbons from a Contaminated Soil Using Nano-Sulfonated Graphene. <i>Pedosphere</i> , 2017 , 27, 527-536	5	21
241	Concentrations of arsenic, cadmium and lead in human hair and typical foods in eleven Chinese cities. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 48, 150-156	5.8	21
240	Dissipation of antibiotics in three different agricultural soils after repeated application of biosolids. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 104-114	5.1	21
239	Estimating cadmium availability to the hyperaccumulator <i>Sedum plumbizincicola</i> in a wide range of soil types using a piecewise function. <i>Science of the Total Environment</i> , 2018 , 637-638, 1342-1350	10.2	21
238	Effects of applied urea and straw on various nitrogen fractions in two Chinese paddy soils with differing clay mineralogy. <i>Biology and Fertility of Soils</i> , 2012 , 48, 161-172	6.1	21
237	Cadmium distribution in rice plants grown in three different soils after application of pig manure with added cadmium. <i>Environmental Geochemistry and Health</i> , 2012 , 34, 481-92	4.7	21
236	Dissipation of polycyclic aromatic hydrocarbons and microbial activity in a field soil planted with perennial ryegrass. <i>Frontiers of Environmental Science and Engineering</i> , 2012 , 6, 330-335	5.8	21
235	Arbuscular mycorrhizal fungi associated with the Meliaceae on Hainan island, China. <i>Mycorrhiza</i> , 2006 , 16, 81-87	3.9	21
234	Surface water phosphorus dynamics in rice fields receiving fertiliser and manure phosphorus. <i>Chemosphere</i> , 2001 , 42, 209-14	8.4	21
233	Grassland species can influence the abundance of microbes on each other's roots. <i>Nature</i> , 1974 , 250, 570-571	50.4	21
232	<i>Rhodococcus</i> sp. NSX2 modulates the phytoremediation efficiency of a trace metal-contaminated soil by reshaping the rhizosphere microbiome. <i>Applied Soil Ecology</i> , 2019 , 133, 62-69	5	21
231	Soil phosphorus availability modifies the relationship between AM fungal diversity and mycorrhizal benefits to maize in an agricultural soil. <i>Soil Biology and Biochemistry</i> , 2020 , 144, 107790	7.5	20
230	Pungency of Spring Onion as Affected by Inoculation with Arbuscular Mycorrhizal Fungi and Sulfur Supply. <i>Journal of Plant Nutrition</i> , 2007 , 30, 1023-1034	2.3	20

229	Interception of residual nitrate from a calcareous alluvial soil profile on the North China Plain by deep-rooted crops: a 15N tracer study. <i>Environmental Pollution</i> , 2007 , 146, 534-42	9.3	20
228	Short-term immobilization of ammonium and nitrate added to a grassland soil. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 1277-1278	7.5	20
227	Cadmium Isotopic Fractionation in the Soil-Plant System during Repeated Phytoextraction with a Cadmium Hyperaccumulating Plant Species. <i>Environmental Science & Technology</i> , 2020 , 54, 13598-13609	10.3	20
226	Effect of Silicon on Growth, Physiology, and Cadmium Translocation of Tobacco (<i>Nicotiana tabacum</i> L.) in Cadmium-Contaminated Soil. <i>Pedosphere</i> , 2018 , 28, 680-689	5	20
225	Sorption mechanisms of diphenylarsinic acid on ferrihydrite, goethite and hematite using sequential extraction, FTIR measurement and XAFS spectroscopy. <i>Science of the Total Environment</i> , 2019 , 669, 991-1000	10.2	19
224	Response of soil enzymes and microbial communities to root extracts of the alien <i>Alternanthera philoxeroides</i> . <i>Archives of Agronomy and Soil Science</i> , 2018 , 64, 708-717	2	19
223	Tenax TA extraction to understand the rate-limiting factors in methyl- β -cyclodextrin-enhanced bioremediation of PAH-contaminated soil. <i>Biodegradation</i> , 2013 , 24, 365-75	4.1	19
222	Role of Carbon Substrates Added in the Transformation of Surplus Nitrate to Organic Nitrogen in a Calcareous Soil. <i>Pedosphere</i> , 2013 , 23, 205-212	5	19
221	Excessive Nitrogen Inputs in Intensive Greenhouse Cultivation May Influence Soil Microbial Biomass and Community Composition. <i>Communications in Soil Science and Plant Analysis</i> , 2009 , 40, 2323-2337	1.5	19
220	Partitioning of phenanthrene by root cell walls and cell wall fractions of wheat (<i>Triticum aestivum</i> L.). <i>Environmental Science & Technology</i> , 2009 , 43, 9136-41	10.3	19
219	Response of Two Maize Inbred Lines with Contrasting Phosphorus Efficiency and Root Morphology to Mycorrhizal Colonization at Different Soil Phosphorus Supply Levels. <i>Journal of Plant Nutrition</i> , 2008 , 31, 1059-1073	2.3	19
218	Effect of Long-Term Fertilization on Organic Nitrogen Forms in a Calcareous Alluvial Soil on the North China Plain. <i>Pedosphere</i> , 2006 , 16, 224-229	5	19
217	The role of sewage sludge biochar in methylmercury formation and accumulation in rice. <i>Chemosphere</i> , 2019 , 218, 527-533	8.4	19
216	Soil properties and microbial ecology of a paddy field after repeated applications of domestic and industrial sewage sludges. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 8619-8628	5.1	18
215	Facilitated transport of titanium dioxide nanoparticles by humic substances in saturated porous media under acidic conditions. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	18
214	Biogeography and diversity patterns of abundant and rare bacterial communities in rice paddy soils across China. <i>Science of the Total Environment</i> , 2020 , 730, 139116	10.2	18
213	Spatiotemporal changes in arbuscular mycorrhizal fungal communities under different nitrogen inputs over a 5-year period in intensive agricultural ecosystems on the North China Plain. <i>FEMS Microbiology Ecology</i> , 2014 , 90, 436-53	4.3	18
212	Atmospheric reactive nitrogen concentrations at ten sites with contrasting land use in an arid region of central Asia. <i>Biogeosciences</i> , 2012 , 9, 4013-4021	4.6	18

211	Tolerance of Grasses to Heavy Metals and Microbial Functional Diversity in Soils Contaminated with Copper Mine Tailings . <i>Pedosphere</i> , 2008 , 18, 363-370	5	18
210	Influence of Nitrogen and Sulfur Fertilizers and Inoculation with Arbuscular Mycorrhizal Fungi on Yield and Pungency of Spring Onion. <i>Journal of Plant Nutrition</i> , 2006 , 29, 1767-1778	2.3	18
209	Distribution patterns of polychlorinated biphenyls in soils collected from Zhejiang province, east China. <i>Environmental Geochemistry and Health</i> , 2006 , 28, 79-87	4.7	18
208	Degradation of benzo[a]pyrene in an experimentally contaminated paddy soil by vetiver grass (<i>Vetiveria zizanioides</i>). <i>Environmental Geochemistry and Health</i> , 2006 , 28, 183-8	4.7	18
207	Ecotoxicity of cadmium in a soil collembolan-predatory mite food chain: Can we use the N labeled litter addition method to assess soil functional change?. <i>Environmental Pollution</i> , 2016 , 219, 37-46	9.3	18
206	Effects of a natural sepiolite bearing material and lime on the immobilization and persistence of cadmium in a contaminated acid agricultural soil. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 22075-22084	5.1	18
205	Biodegradation of pentachloronitrobenzene by <i>Cupriavidus</i> sp. YNS-85 and its potential for remediation of contaminated soils. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 9538-9547	5.1	17
204	Response of Nitrous Oxide and Corresponding Bacteria to Managements in an Agricultural Soil. <i>Soil Science Society of America Journal</i> , 2012 , 76, 130-141	2.5	17
203	Spatial distribution of PAHs in a contaminated valley in Southeast China. <i>Environmental Geochemistry and Health</i> , 2006 , 28, 89-96	4.7	17
202	The role of arbuscular mycorrhizal fungi in the transfer of nutrients between white clover and perennial ryegrass. <i>Chemosphere</i> , 2001 , 42, 153-9	8.4	17
201	Antioxidant enzyme activities of <i>Folsomia candida</i> and avoidance of soil metal contamination. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 2889-2898	5.1	17
200	Characteristics of residual organochlorine pesticides in soils under different land-use types on a coastal plain of the Yellow River Delta. <i>Environmental Geochemistry and Health</i> , 2016 , 38, 535-47	4.7	16
199	Replacement of mineral fertilizers with anaerobically digested pig slurry in paddy fields: assessment of plant growth and grain quality. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 8916-8923	5.1	16
198	Modulation of the efficiency of trace metal phytoremediation by <i>Sedum plumbizincicola</i> by microbial community structure and function. <i>Plant and Soil</i> , 2017 , 421, 285-299	4.2	16
197	Sulfur application combined with water management enhances phytoextraction rate and decreases rice cadmium uptake in a <i>Sedum plumbizincicola</i> - <i>Oryza sativa</i> rotation. <i>Plant and Soil</i> , 2019 , 440, 539-549	4.2	16
196	Evaluation of fatty acid derivatives in the remediation of aged PAH-contaminated soil and microbial community and degradation gene response. <i>Chemosphere</i> , 2020 , 248, 125983	8.4	16
195	Influencing mechanisms of hematite on benzo(a)pyrene degradation by the PAH-degrading bacterium <i>Paracoccus</i> sp. Strain HPD-2: insight from benzo(a)pyrene bioaccessibility and bacteria activity. <i>Journal of Hazardous Materials</i> , 2018 , 359, 348-355	12.8	16
194	Phytoextraction of Cadmium and Zinc By <i>Sedum plumbizincicola</i> Using Different Nitrogen Fertilizers, a Nitrification Inhibitor and a Urease Inhibitor. <i>International Journal of Phytoremediation</i> , 2015 , 17, 382-90	3.9	16

193	Screening of Arbuscular Mycorrhizal Fungi for Symbiotic Efficiency with Sweet Potato. <i>Journal of Plant Nutrition</i> , 2006 , 29, 1085-1094	2.3	16
192	Effect of Elemental Sulphur on Uptake of Cadmium, Zinc, and Sulphur by Oilseed Rape Growing in Soil Contaminated with Zinc and Cadmium. <i>Communications in Soil Science and Plant Analysis</i> , 2004 , 35, 2905-2916	1.5	16
191	Soil solution dynamics of Cu and Zn in a Cu- and Zn-polluted soil as influenced by gamma-irradiation and Cu-Zn interaction. <i>Chemosphere</i> , 2001 , 42, 179-84	8.4	16
190	Aluminum toxicity decreases the phytoextraction capability by cadmium/zinc hyperaccumulator <i>Sedum plumbizincicola</i> in acid soils. <i>Science of the Total Environment</i> , 2020 , 711, 134591	10.2	16
189	High nitrogen deposition in an agricultural ecosystem of Shaanxi, China. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 13210-21	5.1	16
188	Microplastics in an agricultural soil following repeated application of three types of sewage sludge: A field study. <i>Environmental Pollution</i> , 2021 , 289, 117943	9.3	16
187	Concentrations of Heavy Metals in Suburban Horticultural Soils and Their Uptake by <i>Artemisia selengensis</i> . <i>Pedosphere</i> , 2015 , 25, 878-887	5	15
186	Greenhouse gas intensity and net annual global warming potential of cotton cropping systems in an extremely arid region. <i>Nutrient Cycling in Agroecosystems</i> , 2014 , 98, 15-26	3.3	15
185	Isolation and Characterization of Chlorothalonil-Degrading Bacterial Strain H4 and Its Potential for Remediation of Contaminated Soil. <i>Pedosphere</i> , 2014 , 24, 799-807	5	15
184	Adsorption and desorption characteristics of diphenylarsenicals in two contrasting soils. <i>Journal of Environmental Sciences</i> , 2013 , 25, 1172-9	6.4	15
183	Yield and Nicotine Content of Flue-Cured Tobacco as Affected by Soil Nitrogen Mineralization. <i>Pedosphere</i> , 2008 , 18, 227-235	5	15
182	Influence of [S, S]-EDDS on phytoextraction of copper and zinc by <i>Elsholtzia splendens</i> from metal-contaminated soil. <i>International Journal of Phytoremediation</i> , 2007 , 9, 227-41	3.9	15
181	Prediction models for rice cadmium accumulation in Chinese paddy fields and the implications in deducing soil thresholds based on food safety standards. <i>Environmental Pollution</i> , 2020 , 258, 113879	9.3	15
180	Detection of functional microorganisms in benzene [a] pyrene-contaminated soils using DNA-SIP technology. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124788	12.8	15
179	Low-Temperature Hydrothermal Carbonization of Fresh Pig Manure: Effects of Temperature on Characteristics of Hydrochars. <i>Journal of Environmental Engineering, ASCE</i> , 2019 , 145, 04019029	2	14
178	Influence of inoculation with <i>Glomus mosseae</i> or <i>Acaulospora morrowiae</i> on arsenic uptake and translocation by maize. <i>Plant and Soil</i> , 2008 , 311, 235-244	4.2	14
177	Atmospheric deposition of cadmium in an urbanized region and the effect of simulated wet precipitation on the uptake performance of rice. <i>Science of the Total Environment</i> , 2020 , 700, 134513	10.2	14
176	Crop diversity facilitates soil aggregation in relation to soil microbial community composition driven by intercropping. <i>Plant and Soil</i> , 2019 , 436, 173-192	4.2	14

175	Phytotoxicity in seven higher plant species exposed to di-n-butyl phthalate or bis (2-ethylhexyl) phthalate. <i>Frontiers of Environmental Science and Engineering</i> , 2015 , 9, 259-268	5.8	13
174	Uptake of silver by brown rice and wheat in soils repeatedly amended with biosolids. <i>Science of the Total Environment</i> , 2018 , 612, 94-102	10.2	13
173	Effects of Nitrogen on Root Development and Contents of Bioactive Compounds in <i>Salvia miltiorrhiza</i> Bunge. <i>Crop Science</i> , 2013 , 53, 2028-2039	2.4	13
172	Predicting bioavailability of PAHs in soils to wheat roots with triolein-embedded cellulose acetate membranes and comparison with chemical extraction. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 10817-23	5.7	13
171	Effects of Arbuscular Mycorrhizal Fungi and Ammonium: Nitrate Ratios on Growth and Pungency of Onion Seedlings. <i>Journal of Plant Nutrition</i> , 2006 , 29, 1047-1059	2.3	13
170	Response of Tomato on Calcareous Soils to Different Seedbed Phosphorus Application Rates . <i>Pedosphere</i> , 2007 , 17, 70-76	5	13
169	Changes in soil microbial biomass and Zn extractability over time following zn addition to a paddy soil. <i>Chemosphere</i> , 2003 , 50, 855-61	8.4	13
168	Phytoextraction potential of soils highly polluted with cadmium using the cadmium/zinc hyperaccumulator. <i>International Journal of Phytoremediation</i> , 2019 , 21, 733-741	3.9	13
167	Anthropogenic mercury sequestration in different soil types on the southeast coast of China. <i>Journal of Soils and Sediments</i> , 2015 , 15, 962-971	3.4	12
166	Responses of earthworm species to long-term applications of slurry. <i>Applied Soil Ecology</i> , 2015 , 96, 60-67		12
165	Efficiency of repeated phytoextraction of cadmium and zinc from an agricultural soil contaminated with sewage sludge. <i>International Journal of Phytoremediation</i> , 2015 , 17, 575-82	3.9	12
164	Metal contamination status of the soil-plant system and effects on the soil microbial community near a rare metal recycling smelter. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 17625-34	5.1	12
163	Legume-grass intercropping phytoremediation of phthalic acid esters in soil near an electronic waste recycling site: a field study. <i>International Journal of Phytoremediation</i> , 2013 , 15, 154-67	3.9	12
162	Refinement of Methodology for Cadmium Determination in Soil Micro-Arthropod Tissues. <i>Pedosphere</i> , 2017 , 27, 491-501	5	12
161	Influence of Rapeseed Cake on Heavy Metal Uptake by a Subsequent Rice Crop After Phytoextraction Using <i>Sedum plumbizincicola</i> . <i>International Journal of Phytoremediation</i> , 2015 , 17, 76-84	3.9	12
160	Influence of Iron Fertilization on Cadmium Uptake by Rice Seedlings Irrigated with Cadmium Solution. <i>Communications in Soil Science and Plant Analysis</i> , 2010 , 41, 584-594	1.5	12
159	Long-term application of animal slurries to grassland alters soil cation balance. <i>Soil Use and Management</i> , 2006 , 21, 240-244	3.1	12
158	Significance of sample size in measurement of soil microbial biomass by the chloroform fumigation-incubation method. <i>Soil Biology and Biochemistry</i> , 1987 , 19, 149-152	7.5	12

157	Application of biodegradable seedling trays in paddy fields: Impacts on the microbial community. <i>Science of the Total Environment</i> , 2019 , 656, 750-759	10.2	12
156	Stocks and losses of soil organic carbon from Chinese vegetated coastal habitats. <i>Global Change Biology</i> , 2021 , 27, 202-214	11.4	12
155	Toxicity of phthalate esters to lettuce (<i>Lactuca sativa</i>) and the soil microbial community under different soil conditions. <i>PLoS ONE</i> , 2018 , 13, e0208111	3.7	12
154	Large elevation and small host plant differences in the arbuscular mycorrhizal communities of montane and alpine grasslands on the Tibetan Plateau. <i>Mycorrhiza</i> , 2018 , 28, 605-619	3.9	11
153	Exploiting Co-Benefits of Increased Rice Production and Reduced Greenhouse Gas Emission through Optimized Crop and Soil Management. <i>PLoS ONE</i> , 2015 , 10, e0140023	3.7	11
152	The key factor limiting plant growth in cold and humid alpine areas also plays a dominant role in plant carbon isotope discrimination. <i>Frontiers in Plant Science</i> , 2015 , 6, 961	6.2	11
151	Infectivity and community composition of arbuscular mycorrhizal fungi from different soil depths in intensively managed agricultural ecosystems. <i>Journal of Soils and Sediments</i> , 2015 , 15, 1200-1211	3.4	11
150	Diversity of arbuscular mycorrhizal fungi associated with desert ephemerals growing under and beyond the canopies of Tamarisk shrubs. <i>Science Bulletin</i> , 2006 , 51, 132-139		11
149	Cumulative effects of repeated chlorothalonil application on soil microbial activity and community in contrasting soils. <i>Journal of Soils and Sediments</i> , 2016 , 16, 1754-1763	3.4	11
148	Successive chlorothalonil applications inhibit soil nitrification and discrepantly affect abundances of functional genes in soil nitrogen cycling. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 3562-3571	5.1	10
147	The role of antibiotics in mercury methylation in marine sediments. <i>Journal of Hazardous Materials</i> , 2018 , 360, 1-5	12.8	10
146	The effects of aquaculture on mercury distribution, changing speciation, and bioaccumulation in a reservoir ecosystem. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 25923-25932	5.1	10
145	<i>Trichoderma reesei</i> FS10-C enhances phytoremediation of Cd-contaminated soil by <i>Sedum plumbizincicola</i> and associated soil microbial activities. <i>Frontiers in Plant Science</i> , 2015 , 9, 220	6.2	10
144	Effect of Inoculation with the Arbuscular Mycorrhizal Fungus <i>Glomus Intraradices</i> on the Root-Knot Nematode <i>Meloidogyne Incognita</i> in Cucumber. <i>Journal of Plant Nutrition</i> , 2009 , 32, 967-979	2.3	10
143	Effect of phosphate on phenanthrene sorption in soils. <i>Journal of Colloid and Interface Science</i> , 2011 , 353, 275-80	9.3	10
142	Use of a Modified N-Expert System for Vegetable Production in the Beijing Region. <i>Journal of Plant Nutrition</i> , 2005 , 28, 475-487	2.3	10
141	Sustained production of superoxide radicals by manganese oxides under ambient dark conditions. <i>Water Research</i> , 2021 , 196, 117034	12.5	10
140	The efficiency of Cd phytoextraction by <i>S. plumbizincicola</i> increased with the addition of rice straw to polluted soils: the role of particulate organic matter. <i>Plant and Soil</i> , 2018 , 429, 321-333	4.2	10

139	Derivation of reliable empirical models describing lead transfer from metal-polluted soils to radish (<i>Raphanus sativa</i> L.): Determining factors and soil criteria. <i>Science of the Total Environment</i> , 2018 , 613-614, 72-80	10.2	9
138	Photodegradation of diphenylarsinic acid by UV-C light: Implication for its remediation. <i>Journal of Hazardous Materials</i> , 2016 , 308, 199-207	12.8	9
137	Responses of the grass <i>Paspalum distichum</i> L. to Hg stress: A proteomic study. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 183, 109549	7	9
136	Facilitation of seedling growth and nutrient uptake by indigenous arbuscular mycorrhizal fungi in intensive agroecosystems. <i>Biology and Fertility of Soils</i> , 2014 , 50, 381-394	6.1	9
135	Response of carbon dioxide emissions to sheep grazing and N application in an alpine grassland □ Part 1: Effect of sheep grazing. <i>Biogeosciences</i> , 2014 , 11, 1743-1750	4.6	9
134	Using a novel petroselinic Acid embedded cellulose acetate membrane to mimic plant partitioning and in vivo uptake of polycyclic aromatic hydrocarbons. <i>Environmental Science & Technology</i> , 2010 , 44, 297-301	10.3	9
133	Influence of an Arbuscular Mycorrhizal Fungus on Competition for Phosphorus Between Sweet Orange and a Leguminous Herb. <i>Journal of Plant Nutrition</i> , 2005 , 28, 2179-2192	2.3	9
132	Survival of faecal coliforms and hygiene risks in soils treated with municipal sewage sludges. <i>Environmental Geochemistry and Health</i> , 2006 , 28, 97-101	4.7	9
131	Effect of long-term application of animal slurries to grassland on silage quality assessed in laboratory silos. <i>Journal of the Science of Food and Agriculture</i> , 1995 , 67, 205-213	4.3	9
130	Revegetation type drives rhizosphere arbuscular mycorrhizal fungi and soil organic carbon fractions in the mining subsidence area of northwest China. <i>Catena</i> , 2020 , 195, 104791	5.8	9
129	Repeated phytoextraction of metal contaminated calcareous soil by hyperaccumulator. <i>International Journal of Phytoremediation</i> , 2018 , 20, 1243-1249	3.9	9
128	Effects of biochar on the migration and transformation of metal species in a highly acid soil contaminated with multiple metals and leached with solutions of different pH. <i>Chemosphere</i> , 2021 , 278, 130344	8.4	9
127	Simultaneous determination of diphenylarsinic and phenylarsinic acids in amended soils by optimized solvent extraction coupled to HPLC/MS/MS. <i>Geoderma</i> , 2016 , 270, 109-116	6.7	8
126	Foraging capability of extraradical mycelium of arbuscular mycorrhizal fungi to soil phosphorus patches and evidence of carry-over effect on new host plant. <i>Plant and Soil</i> , 2015 , 387, 201-217	4.2	8
125	Influence of long-term biosolid applications on communities of soil fauna and their metal accumulation: A field study. <i>Environmental Pollution</i> , 2020 , 260, 114017	9.3	8
124	Long-term phosphorus application to a maize monoculture influences the soil microbial community and its feedback effects on maize seedling biomass. <i>Applied Soil Ecology</i> , 2018 , 128, 12-22	5	8
123	Role of phosphoric acid in the bioavailability of potentially toxic elements in hydrochars produced by hydrothermal carbonisation of sewage sludge. <i>Waste Management</i> , 2018 , 79, 232-239	8.6	8
122	Relationship between a <i>Rhizoctonia</i> species and grassland plants. <i>Transactions of the British Mycological Society</i> , 1982 , 79, 123-127		8

121	Allelopathic Effects of Aqueous Extracts of <i>Alternanthera philoxeroides</i> on the Growth of <i>Zoysia matrella</i> . <i>Polish Journal of Environmental Studies</i> , 2017 , 26, 97-105	2.3	8
120	Evidence for niche differentiation of nitrifying communities in grassland soils after 44 years of different field fertilization scenarios. <i>Pedosphere</i> , 2020 , 30, 87-97	5	8
119	Interfacial Molecular Fractionation on Ferrihydrite Reduces the Photochemical Reactivity of Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2021 , 55, 1769-1778	10.3	8
118	Temperature-mediated local adaptation alters the symbiotic function in arbuscular mycorrhiza. <i>Environmental Microbiology</i> , 2017 , 19, 2616-2628	5.2	7
117	Exploring bacterial community structure and function associated with polychlorinated biphenyl biodegradation in two hydrogen-amended soils. <i>Science of the Total Environment</i> , 2020 , 745, 140839	10.2	7
116	Cd AND Zn TOLERANCE AND ACCUMULATION BY SEDUM JINIANUM IN EAST CHINA. <i>International Journal of Phytoremediation</i> , 2009 , 11, 283-295	3.9	7
115	Benzo[a]pyrene and Phenanthrene in Municipal Sludge from the Yangtze River Delta, China. <i>Pedosphere</i> , 2009 , 19, 523-531	5	7
114	Accumulation and phytoavailability of benzo[a]pyrene in an acid sandy soil. <i>Environmental Geochemistry and Health</i> , 2006 , 28, 153-8	4.7	7
113	Influence of Three Arbuscular Mycorrhizal Fungi and Phosphorus on Growth and Nutrient Status of Taro. <i>Communications in Soil Science and Plant Analysis</i> , 2005 , 36, 2383-2396	1.5	7
112	Effects of Boron on Leaf Expansion and Intercellular Airspaces in Mung Bean in Solution Culture. <i>Journal of Plant Nutrition</i> , 2005 , 28, 351-361	2.3	7
111	Uptake and Translocation of Arsenic and Phosphorus in <i>pho2</i> Mutant and Wild Type of <i>Arabidopsis thaliana</i> . <i>Journal of Plant Nutrition</i> , 2005 , 28, 1323-1336	2.3	7
110	Net global warming potential and greenhouse gas intensity in a double cropping cereal rotation as affected by nitrogen and straw management		7
109	New estimates of direct N&sub2;O emissions from Chinese croplands from 1980 to 2007 using localized emission factors		7
108	Quantifying soil N pools and N2O emissions after application of chemical fertilizer and straw to a typical chernozem soil. <i>Biology and Fertility of Soils</i> , 2020 , 56, 319-329	6.1	7
107	Soil Type Driven Change in Microbial Community Affects Poly(butylene adipate-terephthalate) Degradation Potential. <i>Environmental Science & Technology</i> , 2021 , 55, 4648-4657	10.3	7
106	Changes in clover rhizosphere microbial community and diazotrophs in mercury-contaminated soils. <i>Science of the Total Environment</i> , 2021 , 767, 145473	10.2	7
105	A red clay layer in soils of the Yellow River Delta: Occurrence, properties and implications for elemental budgets and biogeochemical cycles. <i>Catena</i> , 2019 , 172, 469-479	5.8	7
104	Response of ecological stoichiometry and stoichiometric homeostasis in the plant-litter-soil system to re-vegetation type in arid mining subsidence areas. <i>Journal of Arid Environments</i> , 2021 , 184, 104298	2.5	7

103	Concerns about the future of Chinese fisheries based on illegal, unreported and unregulated fishing on the Hanjiang river. <i>Fisheries Research</i> , 2018 , 199, 212-217	2.3	7
102	Three-dimensional macroscopic aminosilylated nanocellulose aerogels as sustainable bio-adsorbents for the effective removal of heavy metal ions. <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 170-177	7.9	7
101	Polychlorinated biphenyls in alfalfa: Accumulation, sorption and speciation in different plant parts. <i>International Journal of Phytoremediation</i> , 2017 , 19, 732-738	3.9	6
100	Interactions between arbuscular mycorrhizal fungi and non-host <i>Carex capillacea</i> . <i>Mycorrhiza</i> , 2019 , 29, 149-157	3.9	6
99	Evidence for functional divergence in AM fungal communities from different montane altitudes. <i>Fungal Ecology</i> , 2015 , 16, 19-25	4.1	6
98	Linkages between changes in plant and mycorrhizal fungal community composition at high versus low elevation in alpine ecosystems. <i>Environmental Microbiology Reports</i> , 2020 , 12, 229-240	3.7	6
97	Responses of arbuscular mycorrhizal symbionts to contrasting environments: field evidence along a Tibetan elevation gradient. <i>Mycorrhiza</i> , 2016 , 26, 623-32	3.9	6
96	Land use affects soil organic carbon of paddy soils: empirical evidence from 6280 years BP to present. <i>Journal of Soils and Sediments</i> , 2016 , 16, 767-776	3.4	6
95	Phthalate Ester Contamination in Intensively Managed Greenhouse Facilities and the Assessment of Carcinogenic and Non-Carcinogenic Risk: A Regional Study. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	6
94	Chemical fractions of copper and zinc in organic-rich particles from aqueous extracts of a metal-contaminated granite soil. <i>Communications in Soil Science and Plant Analysis</i> , 1996 , 27, 2973-2986	1.5	6
93	C:N ratios in two contrasting antarctic peat profiles. <i>Soil Biology and Biochemistry</i> , 1987 , 19, 777-778	7.5	6
92	Grassland: a global resource 2005 ,		6
91	Long-term application of animal slurries to grassland alters soil cation balance. <i>Soil Use and Management</i> , 2005 , 21, 240-244	3.1	6
90	Temperature-mediated phylogenetic assemblage of fungal communities and local adaptation in mycorrhizal symbioses. <i>Environmental Microbiology Reports</i> , 2019 , 11, 215-226	3.7	6
89	Copper and zinc concentrations in human hair and popular foodstuffs in China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017 , 23, 112-124	4.9	5
88	Acid buffering capacity of four contrasting metal-contaminated calcareous soil types: Changes in soil metals and relevance to phytoextraction. <i>Chemosphere</i> , 2020 , 256, 127045	8.4	5
87	Organic fertilizer application and Mg fertilizer promote banana yield and quality in an Udic Ferralsol. <i>PLoS ONE</i> , 2020 , 15, e0230593	3.7	5
86	Effects of land use change on soil organic carbon sources and molecular distributions: 6280 years of paddy rice cropping revealed by lipid biomarkers. <i>Journal of Soils and Sediments</i> , 2018 , 18, 12-23	3.4	5

85	Solid-solution partitioning and thionation of diphenylarsinic acid in a flooded soil under the impact of sulfate and iron reduction. <i>Science of the Total Environment</i> , 2016 , 569-570, 1579-1586	10.2	5
84	Direct effects of soil cadmium on the growth and activity of arbuscular mycorrhizal fungi. <i>Rhizosphere</i> , 2018 , 7, 43-48	3.5	5
83	Rejoinder to Comments on Zhu et al. (2018) Exposure of soil collembolans to microplastics perturbs their gut microbiota and alters their isotopic composition [Soil Biol. Biochem. 116 302B10]. <i>Soil Biology and Biochemistry</i> , 2018 , 124, 275-276	7.5	5
82	Phytoremediation of diphenylarsinic-acid-contaminated soil by <i>Pteris vittata</i> associated with <i>Phyllobacterium myrsinacearum</i> RC6b. <i>International Journal of Phytoremediation</i> , 2017 , 19, 463-469	3.9	5
81	Alkaline sewage sludge solids affect the chemical speciation and bioavailability of Cu and Zn in the rhizosphere soil solution. <i>Soil Science and Plant Nutrition</i> , 1997 , 43, 1041-1046	1.6	5
80	Establishment of monoxenic culture between the arbuscular mycorrhizal fungus <i>Glomus sinuosum</i> and Ri T-DNA-transformed carrot roots. <i>Plant and Soil</i> , 2004 , 261, 239-244	4.2	5
79	Changing sensitivity to soil fungistasis with age in <i>Drechslera rostrata</i> spores and associated permeability changes. <i>Transactions of the British Mycological Society</i> , 1974 , 62, 527-535		5
78	ROOT MICROORGANISMS IN MIXTURES AND MONOCULTURES OF GRASSLAND PLANTS 1979 , 161-173		5
77	Allocation of photosynthetically-fixed carbon in plant and soil during growth of reed (<i>Phragmites australis</i>) in two saline soils. <i>Plant and Soil</i> , 2016 , 404, 277-291	4.2	5
76	Extraction of Cd and Pb from contaminated-paddy soil with EDTA, DTPA, citric acid and FeCl ₃ and effects on soil fertility. <i>Journal of Central South University</i> , 2019 , 26, 2987-2997	2.1	5
75	Microbial remediation of a pentachloronitrobenzene-contaminated soil under <i>Panax notoginseng</i> : A field experiment. <i>Pedosphere</i> , 2020 , 30, 563-569	5	5
74	Dynamics of ammonia oxidizers in response to different fertilization inputs in intensively managed agricultural soils. <i>Applied Soil Ecology</i> , 2021 , 157, 103729	5	5
73	Importance of AM fungi and local adaptation in plant response to environmental change: Field evidence at contrasting elevations. <i>Fungal Ecology</i> , 2018 , 34, 59-66	4.1	5
72	Potential sources and associated risk assessment of potentially toxic elements in paddy soils of a combined urban and rural area. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 23615-23624	5.1	4
71	Nitrate Transformation and N ₂ O Emission in a Typical Intensively Managed Calcareous Fluvaquent Soil: A ¹⁵ -Nitrogen Tracer Incubation Study. <i>Communications in Soil Science and Plant Analysis</i> , 2015 , 46, 1763-1777	1.5	4
70	Effects of electron donors on the degradation of hexachlorocyclohexane and microbial community in submerged soils. <i>Journal of Soils and Sediments</i> , 2020 , 20, 2155-2165	3.4	4
69	Effects of Garlic Bulb Aqueous Extract on Cucumber Seedlings, Soil Microbial Counts, and Enzyme Activities. <i>Communications in Soil Science and Plant Analysis</i> , 2012 , 43, 2888-2896	1.5	4
68	Total nitrogen deposition at key growing stages of maize and wheat as affected by pot surface area and crop variety. <i>Plant and Soil</i> , 2011 , 339, 137-145	4.2	4

67	Diversity and zonal distribution of arbuscular mycorrhizal fungi on the northern slopes of the Tianshan Mountains. <i>Science in China Series D: Earth Sciences</i> , 2007 , 50, 135-141		4
66	Changes in soil solution heavy metal concentrations over time following EDTA addition to a Chinese paddy soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2003 , 71, 706-13	2.7	4
65	Short-term effects of alkaline biosolids on pH and trace metals in oligotrophic forest peat and on growth of <i>Picea sitchensis</i> . <i>Forestry</i> , 2001 , 74, 145-160	2.2	4
64	Remediation of a metal-contaminated soil by chemical washing and repeated phytoextraction: a field experiment. <i>International Journal of Phytoremediation</i> , 2021 , 23, 577-584	3.9	4
63	Enhancement by soil micro-arthropods of phytoextraction of metal-contaminated soils using a hyperaccumulator plant species. <i>Plant and Soil</i> , 2021 , 464, 335	4.2	4
62	Response of arbuscular mycorrhizal fungi to soil phosphorus patches depends on context. <i>Crop and Pasture Science</i> , 2016 , 67, 1116	2.2	4
61	Temperature-dependent changes in active nitrifying communities in response to field fertilization legacy. <i>Biology and Fertility of Soils</i> , 2021 , 57, 1-14	6.1	4
60	Arbuscular mycorrhizal fungi alter root and foliar responses to fissure-induced root damage stress. <i>Ecological Indicators</i> , 2021 , 127, 107800	5.8	4
59	Soil microbial community and association network shift induced by several tall fescue cultivars during the phytoremediation of a petroleum hydrocarbon-contaminated soil. <i>Science of the Total Environment</i> , 2021 , 792, 148411	10.2	4
58	Comparing chemical extraction and a piecewise function with diffusive gradients in thin films for accurate estimation of soil zinc bioavailability to <i>Sedum plumbizincicola</i> . <i>European Journal of Soil Science</i> , 2019 , 70, 1141	3.4	3
57	Toxicity of OTC to <i>Ipomoea aquatica</i> Forsk. and to microorganisms in a long-term sewage-irrigated farmland soil. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 15101-10	5.1	3
56	Collembolans accelerate the dispersal of antibiotic resistance genes in the soil ecosystem. <i>Soil Ecology Letters</i> , 2019 , 1, 14-21	2.7	3
55	Response of carbon dioxide emissions to sheep grazing and N application in an alpine grassland □ Part 2: Effect of N application. <i>Biogeosciences</i> , 2014 , 11, 1751-1757	4.6	3
54	Proteomic response of wheat embryos to fosthiazate stress in a protected vegetable soil. <i>Journal of Environmental Sciences</i> , 2012 , 24, 1843-53	6.4	3
53	Comparison of soil respiration in typical conventional and new alternative cereal cropping systems on the North China plain. <i>PLoS ONE</i> , 2013 , 8, e80887	3.7	3
52	Influence of Potassium Supply on Growth and Uptake of Nitrogen, Phosphorus, and Potassium by Three Ectomycorrhizal Fungal Isolates In Vitro. <i>Journal of Plant Nutrition</i> , 2005 , 28, 271-284	2.3	3
51	Comparison between isotope dilution and acetylene reduction methods to estimate N ₂ fixation rate of white clover in grass/clover swards. <i>Grass and Forage Science</i> , 1990 , 45, 295-301	2.3	3
50	Residual effects of clover on soil biomass carbon and nitrogen in re-seeded grass swards. <i>Soil Biology and Biochemistry</i> , 1986 , 18, 621-627	7.5	3

49	Reducing Reagents Induce Molecular Artifacts in the Extraction of Soil Organic Matter. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 1913-1919	3.2	3
48	Shifts in composition and function of soil fungal communities and edaphic properties during the reclamation chronosequence of an open-cast coal mining dump. <i>Science of the Total Environment</i> , 2021 , 767, 144465	10.2	3
47	The inhibitory mechanism of natural soil colloids on the biodegradation of polychlorinated biphenyls by a degrading bacterium. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125687	12.8	3
46	Toxic effects of norfloxacin in soil on fed and unfed <i>Folsomia candida</i> (Isotomidae: Collembola) and on gut and soil microbiota. <i>Science of the Total Environment</i> , 2021 , 788, 147793	10.2	3
45	A review of soil potentially toxic element contamination in typical karst regions in southwest China. <i>Current Opinion in Environmental Science and Health</i> , 2021 , 23, 100284	8.1	3
44	Effects of Phthalate Esters on <i>Forsk.</i> Seedlings and the Soil Microbial Community Structure under Different Soil Conditions. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	2
43	Effect of long-term application of animal slurries to grass on silage feeding quality for sheep. <i>Journal of the Science of Food and Agriculture</i> , 1998 , 78, 53-58	4.3	2
42	Microcosm studies on anaerobic phosphate flux and mineralization of lake sediment organic carbon. <i>Journal of Environmental Quality</i> , 2004 , 33, 2353-6	3.4	2
41	Trace element concentrations in winter cereals under intensive cultivation. <i>Journal of the Science of Food and Agriculture</i> , 1985 , 36, 941-945	4.3	2
40	Nutrient and dry matter accumulation in different generations of banana at different growth stages. <i>Fruits</i> , 2019 , 74, 82-92	0.3	2
39	Combined inoculation with dark septate endophytes and arbuscular mycorrhizal fungi: synergistic or competitive growth effects on maize?. <i>BMC Plant Biology</i> , 2021 , 21, 498	5.3	2
38	Thermal infrared imaging study of water status and growth of arbuscular mycorrhizal soybean (<i>Glycine max</i>) under drought stress. <i>South African Journal of Botany</i> , 2022 , 146, 58-65	2.9	2
37	Long term effects of slurry on grassland 1987 , 301-304		2
36	Influence of Lime Stabilized Sewage Sludge Cake on Heavy Metals and Dissolved Organic Substances in the Soil Solution 1997 , 410-424		2
35	A field study of the fate of biosolid-borne silver in the soil-crop system. <i>Environmental Pollution</i> , 2020 , 259, 113834	9.3	2
34	Accumulation and Speciation of Arsenic in <i>Pteris vittata</i> Gametophytes and Sporophytes: Effects of Calcium and Phosphorus. <i>Pedosphere</i> , 2019 , 29, 540-544	5	2
33	Enhanced bioremediation of PAH-contaminated soil by wheat bran and microbial community response. <i>Archives of Agronomy and Soil Science</i> , 2020 , 66, 1089-1102	2	2
32	Ecotoxicity of arsenic contamination toward the soil enchytraeid <i>Enchytraeus crypticus</i> at different biological levels: Laboratory studies. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 207, 111218	7	2

31	Cadmium and Lead Pollution Characteristics of Soils, Vegetables and Human Hair Around an Open-cast Lead-zinc Mine. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 107, 1176-1183 ^{2,7}	2
30	Enhanced biomass and cadmium accumulation by three cadmium-tolerant plant species following cold plasma seed treatment. <i>Journal of Environmental Management</i> , 2021 , 296, 113212	7.9 2
29	Contrasting effects of iron reduction on thionation of diphenylarsinic acid in a biostimulated Acrisol. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 16646-16655	5.1 1
28	Reductive dechlorination of polychlorinated biphenyls is coupled to nitrogen fixation by a legume-rhizobium symbiosis. <i>Science China Earth Sciences</i> , 2018 , 61, 285-291	4.6 1
27	Dry and Wet Deposition of Inorganic Nitrogen at Urban and Rural Sites in a Semi-arid Environment 2012 ,	1
26	Mining subsidence area reconstruction with N ₂ -fixing plants promotes arbuscular mycorrhizal fungal biodiversity and microbial biomass C:N:P stoichiometry of cyanobacterial biocrusts. <i>Forest Ecology and Management</i> , 2022 , 503, 119763	3.9 1
25	Alkaline stabilized sewage sludge cake as an organic fertiliser for spring barley 1997 , 589-590	1
24	Impacts of estuarine dissolved organic matter and suspended particles from fish farming on the biogeochemical cycling of mercury in Zhoushan island, eastern China Sea. <i>Science of the Total Environment</i> , 2020 , 705, 135921	10.2 1
23	A COMPARATIVE STUDY OF CELLULOSE NANOWHISKERS (CNWs) AND CELLULOSE NANOFIBERS (CNFs). <i>Cellulose Chemistry and Technology</i> , 2021 , 55, 501-510	1.9 1
22	Diphenylarsinic acid sorption mechanisms in soils using batch experiments and EXAFS spectroscopy. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8 1
21	Stoichiometric analysis of an arable crop-soil-microbe system after repeated fertilizer and compost application for 10 years. <i>Journal of Soils and Sediments</i> , 2021 , 21, 1466-1475	3.4 1
20	Maize/faba bean intercropping with rhizobial inoculation in a reclaimed desert soil enhances productivity and symbiotic N ₂ fixation and reduces apparent N losses. <i>Soil and Tillage Research</i> , 2021 , 213, 105154	6.5 1
19	Multigenerational exposure of the collembolan <i>Folsomia candida</i> to soil metals: Adaption to metal stress in soils polluted over the long term. <i>Environmental Pollution</i> , 2022 , 292, 118242	9.3 1
18	Hydrogen peroxide combined with surfactant leaching and microbial community recovery from oil sludge. <i>Chemosphere</i> , 2022 , 286, 131750	8.4 1
17	Biological transfer of silver under silver nanoparticle exposure and nitrogen transfer via a collembolan-predatory mite food-chain and ecotoxicity of silver sulfide. <i>Soil Ecology Letters</i> , 2021 , 12, 1	2.7 1
16	Zero-valent iron-induced successive chemical transformation and biodegradation of lindane in historically contaminated soil: An isotope-informed metagenomic study.. <i>Journal of Hazardous Materials</i> , 2022 , 433, 128802	12.8 1
15	Comparison between wet and dry oxidation methods of sample preparation for copper and zinc analysis of grassland herbage. <i>Journal of the Science of Food and Agriculture</i> , 1989 , 48, 155-164	4.3 0
14	Influence of kaolinite and montmorillonite on benzo[a]pyrene biodegradation by <i>Paracoccus aminovorans</i> HPD-2 and the underlying interface interaction mechanisms. <i>Pedosphere</i> , 2022 , 32, 246-255 ⁵	0

13	Enrichment of nosZ-type denitrifiers by arbuscular mycorrhizal fungi mitigates N O emissions from soybean stubbles. <i>Environmental Microbiology</i> , 2021 , 23, 6587-6602	5.2	○
12	Zinc uptake and replenishment mechanisms during repeated phytoextraction using <i>Sedum plumbizincicola</i> revealed by stable isotope fractionation. <i>Science of the Total Environment</i> , 2022 , 806, 151306	10.2	○
11	Soil Metal Immobilization in Agricultural Land Contaminated with Cadmium and Lead: A Case Study of Effectiveness Evaluation in Lanping, Southwest China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 107, 1227-1235	2.7	○
10	Risk Assessment of Contamination by Potentially Toxic Metals: A Case Study in the Vicinity of an Abandoned Pyrite Mine. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 783	2.4	○
9	Rhizosphere bacterial community dynamics of the cadmium hyperaccumulator <i>Sedum plumbizincicola</i> under a cadmium concentration gradient during phytoextraction. <i>Plant and Soil</i> , 2021 , 468, 375	4.2	○
8	Effects of a soil collembolan on the growth and metal uptake of a hyperaccumulator: Modification of root morphology and the expression of plant defense genes.. <i>Environmental Pollution</i> , 2022 , 119169	9.3	○
7	Anti-tumor effect of synthetic baicalin-rare earth metal complex drugs on SMMC-7721 cells. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 3851-3864	4.7	
6	Effect of alkaline stabilized sewage sludge solids on chemical speciation and plant availability of Cu and Zn in the rhizosphere soil solution 1997 , 571-576		
5	Soil Mercury Accumulation and Emissions in a Bamboo Forest in a Compact Fluorescent Lamp Manufacturing Area. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019 , 103, 16-22	2.7	
4	Response to Commentary by J. B. Richardson on Anthropogenic mercury sequestration in different soil types on the southeast coast of China [by Zhang et al. (J Soils Sediments 15:962-971. doi:10.1007/s11368-015-1062-1, 2015)] <i>Journal of Soils and Sediments</i> , 2018 , 18, 1207-1208	3.4	
3	Differences in phytoextraction by the cadmium and zinc hyperaccumulator <i>Sedum plumbizincicola</i> in greenhouse, polytunnel and field conditions. <i>International Journal of Phytoremediation</i> , 2018 , 20, 1400-1407	3.9	
2	Thermal Infrared Evaluation of the Influence of Arbuscular Mycorrhizal Fungus and Dark Septate Endophytic Fungus on Maize Growth and Physiology. <i>Agronomy</i> , 2022 , 12, 912	3.6	
1	An electro-Fenton process to treat waste liquor of a hyperaccumulator that contains potentially toxic elements and the COD. <i>International Journal of Phytoremediation</i> , 2021 , 23, 715-725	3.9	