

Peter Christie

List of Publications by Year in Descending Order

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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
g-index

505
ext. papers

28,911
ext. citations

6
avg, IF

7.11
L-index

#	Paper	IF	Citations
498	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
497	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	0
496	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
495	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
494	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
493	Hydrogen peroxide combined with surfactant leaching and microbial community recovery from oil sludge. <i>Chemosphere</i> , 2022 , 286, 131750	8.4	1
492	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	0
491	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
490	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	
489	Enrichment of nosZ-type denitrifiers by arbuscular mycorrhizal fungi mitigates N ₂ O emissions from soybean stubbles. <i>Environmental Microbiology</i> , 2021 , 23, 6587-6602	5.2	0
488	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
487	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
486	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
485	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
484	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
483	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
482	Sustained production of superoxide radicals by manganese oxides under ambient dark conditions. <i>Water Research</i> , 2021 , 196, 117034	12.5	10

481	A COMPARATIVE STUDY OF CELLULOSE NANOWHISKERS (CNWs) AND CELLULOSE NANOFIBERS (CNFs). <i>Cellulose Chemistry and Technology</i> , 2021 , 55, 501-510	1.9	1
480	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	0
479	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
478	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
477	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
476	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
475	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
474	Stocks and losses of soil organic carbon from Chinese vegetated coastal habitats. <i>Global Change Biology</i> , 2021 , 27, 202-214	11.4	12
473	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
472	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
471	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
470	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
469	Arbuscular mycorrhizal fungi alter root and foliar responses to fissure-induced root damage stress. <i>Ecological Indicators</i> , 2021 , 127, 107800	5.8	4
468	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
467	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
466	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
465	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
464	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	0

463	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
462	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
461	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
460	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
459	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
458	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	
457	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
456	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
455	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
454	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
453	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
452	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
451	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	
450	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
449	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
448	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
447	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
446	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

445	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
444	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
443	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
442	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
441	Quantifying soil N pools and N ₂ O 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
440	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
439	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
438	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
437	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
436	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
435	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
434	Microbial remediation of a pentachloronitrobenzene-contaminated soil under <i>Panax notoginseng</i> : A field experiment. <i>Pedosphere</i> , 2020 , 30, 563-569	5	5
433	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
432	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
431	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
430	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
429	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
428	Function of Biohydrogen Metabolism and Related Microbial Communities in Environmental Bioremediation. <i>Frontiers in Microbiology</i> , 2019 , 10, 106	5.7	23

427	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
426	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
425	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
424	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
423	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
422	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
421	Interactions between arbuscular mycorrhizal fungi and non-host <i>Carex capillacea</i> . <i>Mycorrhiza</i> , 2019 , 29, 149-157	3.9	6
420	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
419	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
418	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
417	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
416	Facile method for the preparation of superhydrophobic cellulosic paper. <i>Applied Surface Science</i> , 2019 , 496, 143648	6.7	28
415	Collembolans accelerate the dispersal of antibiotic resistance genes in the soil ecosystem. <i>Soil Ecology Letters</i> , 2019 , 1, 14-21	2.7	3
414	Nutrient and dry matter accumulation in different generations of banana at different growth stages. <i>Fruits</i> , 2019 , 74, 82-92	0.3	2
413	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
412	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	0
411	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
410	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

409	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	
408	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
407	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
406	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
405	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
404	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
403	The role of sewage sludge biochar in methylmercury formation and accumulation in rice. <i>Chemosphere</i> , 2019 , 218, 527-533	8.4	19
402	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
401	<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
400	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
399	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
398	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
397	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
396	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
395	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
394	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
393	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
392	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

391	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
390	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
389	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
388	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
387	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
386	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
385	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
384	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
383	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
382	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
381	Direct effects of soil cadmium on the growth and activity of arbuscular mycorrhizal fungi. <i>Rhizosphere</i> , 2018 , 7, 43-48	3.5	5
380	The role of antibiotics in mercury methylation in marine sediments. <i>Journal of Hazardous Materials</i> , 2018 , 360, 1-5	12.8	10
379	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
378	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
377	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
376	Temporal Differentiation of Crop Growth as One of the Drivers of Intercropping Yield Advantage. <i>Scientific Reports</i> , 2018 , 8, 3110	4.9	27
375	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
374	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

373	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
372	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
371	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
370	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. (<i>J Soils Sediments</i> 15:962-971. doi:10.1007/s11368-015-1062-1, 2015)] <i>Journal of Soils and Sediments</i> , 2018 , 18, 1207-1208	3.4	
369	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
368	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	
367	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
366	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
365	Enhanced adsorption of oxytetracycline to weathered microplastic polystyrene: Kinetics, isotherms and influencing factors. <i>Environmental Pollution</i> , 2018 , 243, 1550-1557	9.3	248
364	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
363	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
362	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
361	Repeated phytoextraction of metal contaminated calcareous soil by hyperaccumulator. <i>International Journal of Phytoremediation</i> , 2018 , 20, 1243-1249	3.9	9
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357	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
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348	Temperature-mediated local adaptation alters the symbiotic function in arbuscular mycorrhiza. <i>Environmental Microbiology</i> , 2017 , 19, 2616-2628	5.2	7
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345	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
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343	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
342	Refinement of Methodology for Cadmium Determination in Soil Micro-Arthropod Tissues. <i>Pedosphere</i> , 2017 , 27, 491-501	5	12
341	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
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339	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
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336	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
335	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
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79	Degradation of benzo[a]pyrene in soil with arbuscular mycorrhizal alfalfa. <i>Environmental Geochemistry and Health</i> , 2004 , 26, 285-93	4.7	47
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76	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
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74	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
73	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
72	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
71	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
70	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
69	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
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65	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
64	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
63	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
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61	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
60	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
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58	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
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56	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
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50	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

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45	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
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