

David L Jones

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

628
papers

35,037
citations

90
h-index

166
g-index

670
ext. papers

41,293
ext. citations

5.9
avg, IF

7.78
L-index

#	Paper	IF	Citations
628	Macro- and microplastic accumulation in soil after 32 years of plastic film mulching.. <i>Environmental Pollution</i> , 2022 , 118945	9.3	5
627	Field application of pure polyethylene microplastic has no significant short-term effect on soil biological quality and function. <i>Soil Biology and Biochemistry</i> , 2022 , 165, 108496	7.5	6
626	Combining targeted grass traits with red clover improves grassland performance and reduces need for nitrogen fertilisation. <i>European Journal of Agronomy</i> , 2022 , 133, 126433	5	0
625	Paddy soils have a much higher microbial biomass content than upland soils: A review of the origin, mechanisms, and drivers. <i>Agriculture, Ecosystems and Environment</i> , 2022 , 326, 107798	5.7	7
624	The effect of organic manure or green manure incorporation with reductions in chemical fertilizer on yield-scaled N ₂ O emissions in a citrus orchard. <i>Agriculture, Ecosystems and Environment</i> , 2022 , 326, 107806	5.7	3
623	Addition of iron to agricultural topsoil and subsoil is not an effective C sequestration strategy. <i>Geoderma</i> , 2022 , 409, 115646	6.7	1
622	Understanding and managing uncertainty and variability for wastewater monitoring beyond the pandemic: Lessons learned from the United Kingdom national COVID-19 surveillance programmes. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127456	12.8	9
621	RNA-viromics reveals diverse communities of soil RNA viruses with the potential to affect grassland ecosystems across multiple trophic levels. <i>ISME Communications</i> , 2022 , 2,		3
620	Organic and inorganic sulfur and nitrogen uptake by co-existing grassland plant species competing with soil microorganisms. <i>Soil Biology and Biochemistry</i> , 2022 , 168, 108627	7.5	0
619	Microplastics shape microbial communities affecting soil organic matter decomposition in paddy soil.. <i>Journal of Hazardous Materials</i> , 2022 , 431, 128589	12.8	3
618	Role of plants in determining the soil response to either a single freeze-thaw or dry-wet event. <i>Applied Soil Ecology</i> , 2022 , 175, 104409	5	
617	Saltwater intrusion induces shifts in soil microbial diversity and carbon use efficiency in a coastal grassland ecosystem. <i>Soil Biology and Biochemistry</i> , 2022 , 108700	7.5	0
616	Effects of plastic residues and microplastics on soil ecosystems: A global meta-analysis. <i>Journal of Hazardous Materials</i> , 2022 , 129065	12.8	3
615	Deep-C storage: Biological, chemical and physical strategies to enhance carbon stocks in agricultural subsoils. <i>Soil Biology and Biochemistry</i> , 2022 , 108697	7.5	1
614	Insights into the associations between soil quality and ecosystem multifunctionality driven by fertilization management: A case study from the North China Plain. <i>Journal of Cleaner Production</i> , 2022 , 132265	10.3	1
613	Field response of N ₂ O emissions, microbial communities, soil biochemical processes and winter barley growth to the addition of conventional and biodegradable microplastics. <i>Agriculture, Ecosystems and Environment</i> , 2022 , 336, 108023	5.7	2
612	Identification and predictability of soil quality indicators from conventional soil and vegetation classifications. <i>PLoS ONE</i> , 2021 , 16, e0248665	3.7	0

611	Site Specific Relationships between COVID-19 Cases and SARS-CoV-2 Viral Load in Wastewater Treatment Plant Influent. <i>Environmental Science & Technology</i> , 2021 , 55, 15276-15286	10.3	2
610	A comparison of precipitation and filtration-based SARS-CoV-2 recovery methods and the influence of temperature, turbidity, and surfactant load in urban wastewater. <i>Science of the Total Environment</i> , 2021 , 808, 151916	10.2	1
609	Kinetics of microplastic generation from different types of mulch films in agricultural soil.. <i>Science of the Total Environment</i> , 2021 , 814, 152572	10.2	2
608	Decoupled richness of generalist anaerobes and sulphate-reducing bacteria is driven by pH across land uses in temperate soils. <i>European Journal of Soil Science</i> , 2021 , 72, 2445-2456	3.4	1
607	Topsoil and subsoil C and N turnover are affected by superficial lime and gypsum application in the short-term. <i>Soil Biology and Biochemistry</i> , 2021 , 163, 108456	7.5	3
606	The short-lived inhibitory effect of <i>Brachiaria humidicola</i> on nitrous oxide emissions following sheep urine application in a highly nitrifying soil. <i>Journal of Plant Nutrition and Soil Science</i> , 2021 , 184, 723	2.3	1
605	Microbial diversity dynamics during the self-acidification of dairy slurry. <i>Environmental Technology (United Kingdom)</i> , 2021 , 42, 2562-2572	2.6	3
604	Response of nitrogen fractions in the rhizosphere and bulk soil to organic mulching in an urban forest plantation. <i>Journal of Forestry Research</i> , 2021 , 32, 2577	2	2
603	Importance of building bridging and linking social capital in adapting to changes in UK agricultural policy. <i>Journal of Rural Studies</i> , 2021 , 83, 1-10	4.2	4
602	Overriding water table control on managed peatland greenhouse gas emissions. <i>Nature</i> , 2021 , 593, 548-554	5.4	29
601	Investigating awareness, fear and control associated with norovirus and other pathogens and pollutants using best-worst scaling. <i>Scientific Reports</i> , 2021 , 11, 11194	4.9	2
600	Substrate control of sulphur utilisation and microbial stoichiometry in soil: Results of C, N, C, and S quad labelling. <i>ISME Journal</i> , 2021 , 15, 3148-3158	11.9	7
599	The microplastisphere: Biodegradable microplastics addition alters soil microbial community structure and function. <i>Soil Biology and Biochemistry</i> , 2021 , 156, 108211	7.5	51
598	Volatile organic compounds (VOCs) allow sensitive differentiation of biological soil quality. <i>Soil Biology and Biochemistry</i> , 2021 , 156, 108187	7.5	7
597	Polyphenolic Profiling of Green Waste Determined by UPLC-HDMSE. <i>Processes</i> , 2021 , 9, 824	2.9	0
596	Root hairs and protein addition to soil promote leucine aminopeptidase activity of <i>Hordeum vulgare</i> L. <i>Rhizosphere</i> , 2021 , 18, 100329	3.5	5
595	Quantifying the frequency and volume of urine deposition by grazing sheep using tri-axial accelerometers. <i>Animal</i> , 2021 , 15, 100234	3.1	1
594	Land cover and nutrient enrichment regulates low-molecular weight dissolved organic matter turnover in freshwater ecosystems. <i>Limnology and Oceanography</i> , 2021 , 66, 2979-2987	4.8	3

593	Within-field spatial variability of greenhouse gas fluxes from an extensive and intensive sheep-grazed pasture. <i>Agriculture, Ecosystems and Environment</i> , 2021 , 312, 107355	5.7	1
592	Microbial potential for denitrification in the hyperarid Atacama Desert soils. <i>Soil Biology and Biochemistry</i> , 2021 , 157, 108248	7.5	4
591	Maize and soybean experience fierce competition from soil microorganisms for the uptake of organic and inorganic nitrogen and sulphur: A pot test using ¹³ C, ¹⁵ N, ¹⁴ C, and ³⁵ S labelling. <i>Soil Biology and Biochemistry</i> , 2021 , 157, 108260	7.5	4
590	Optimising storage conditions and processing of sheep urine for nitrogen cycle and gaseous emission measurements from urine patches. <i>Scientific Reports</i> , 2021 , 11, 12116	4.9	1
589	Competition for S-containing amino acids between rhizosphere microorganisms and plant roots: the role of cysteine in plant S acquisition. <i>Biology and Fertility of Soils</i> , 2021 , 57, 825-836	6.1	4
588	Beyond Taxonomic Identification: Integration of Ecological Responses to a Soil Bacterial 16S rRNA Gene Database. <i>Frontiers in Microbiology</i> , 2021 , 12, 682886	5.7	1
587	Abiotic and biotic controls of soil dissolved organic nitrogen along a precipitation gradient on the Tibetan plateau. <i>Plant and Soil</i> , 2021 , 459, 65-78	4.2	4
586	Spatial co-localisation of extreme weather events: a clear and present danger. <i>Ecology Letters</i> , 2021 , 24, 60-72	10	7
585	Land use effects on soil phosphorus behavior characteristics in the eutrophic aquatic-terrestrial ecotone of Dianchi Lake, China. <i>Soil and Tillage Research</i> , 2021 , 205, 104793	6.5	3
584	Quantitative and qualitative analysis of edible oils using HRAM MS with an atmospheric pressure chemical ionisation (APCI) source. <i>Journal of Food Composition and Analysis</i> , 2021 , 96, 103760	4.1	3
583	Precipitation-optimised targeting of nitrogen fertilisers in a model maize cropping system. <i>Science of the Total Environment</i> , 2021 , 756, 144051	10.2	1
582	Field test on the biodegradation of poly(butylene adipate-co-terephthalate) based mulch films in soil. <i>Polymer Testing</i> , 2021 , 93, 107009	4.5	9
581	Quantifying citrate-enhanced phosphate root uptake using microdialysis. <i>Plant and Soil</i> , 2021 , 461, 69-89	4.2	11
580	Vulnerability of British farms to post-Brexit subsidy removal, and implications for intensification, extensification and land sparing. <i>Land Use Policy</i> , 2021 , 107, 104154	5.6	3
579	Map of total phosphorus content in native soils of Brazil. <i>Scientia Agricola</i> , 2021 , 78,	2.5	2
578	REINTEGRATION OF CROP-LIVESTOCK SYSTEMS IN EUROPE: AN OVERVIEW. <i>Frontiers of Agricultural Science and Engineering</i> , 2021 , 8, 111	1.7	11
577	Organic mulching promotes soil organic carbon accumulation to deep soil layer in an urban plantation forest. <i>Forest Ecosystems</i> , 2021 , 8,	3.8	7
576	Concentration and Quantification of SARS-CoV-2 RNA in Wastewater Using Polyethylene Glycol-Based Concentration and qRT-PCR. <i>Methods and Protocols</i> , 2021 , 4,	2.5	11

575	Is a Poor End-Product Criterion for Assessing the General Microbial Risk Posed From Consuming Norovirus Contaminated Shellfish. <i>Frontiers in Microbiology</i> , 2021 , 12, 608888	5.7	4
574	Organic mulching masks rhizosphere effects on carbon and nitrogen fractions and enzyme activities in urban greening space. <i>Journal of Soils and Sediments</i> , 2021 , 21, 1621-1632	3.4	1
573	Synthesis of methods used to assess soil protease activity. <i>Soil Biology and Biochemistry</i> , 2021 , 158, 108273	7.3	4
572	Monitoring SARS-CoV-2 in municipal wastewater to evaluate the success of lockdown measures for controlling COVID-19 in the UK. <i>Water Research</i> , 2021 , 200, 117214	12.5	38
571	Effect of microplastics on organic matter decomposition in paddy soil amended with crop residues and labile C: A three-source-partitioning study. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126221	12.8	11
570	Effect thresholds for the earthworm <i>Eisenia fetida</i> : Toxicity comparison between conventional and biodegradable microplastics. <i>Science of the Total Environment</i> , 2021 , 781, 146884	10.2	17
569	Manipulation of the soil microbiome regulates the colonization of plants by arbuscular mycorrhizal fungi. <i>Mycorrhiza</i> , 2021 , 31, 545-558	3.9	1
568	Use of metabolomics to quantify changes in soil microbial function in response to fertiliser nitrogen supply and extreme drought. <i>Soil Biology and Biochemistry</i> , 2021 , 160, 108351	7.5	3
567	Shifts in Soil Structure, Biological, and Functional Diversity Under Long-Term Carbon Deprivation. <i>Frontiers in Microbiology</i> , 2021 , 12, 735022	5.7	1
566	Dependence of thermal desorption method for profiling volatile organic compound (VOC) emissions from soil. <i>Soil Biology and Biochemistry</i> , 2021 , 160, 108313	7.5	2
565	Effects of farmyard manure on soil S cycling: Substrate level exploration of high- and low-molecular weight organic S decomposition. <i>Soil Biology and Biochemistry</i> , 2021 , 160, 108359	7.5	2
564	Tracing the fate of wastewater viruses reveals catchment-scale virome diversity and connectivity. <i>Water Research</i> , 2021 , 203, 117568	12.5	3
563	Variation in enzyme activities involved in carbon and nitrogen cycling in rhizosphere and bulk soil after organic mulching. <i>Rhizosphere</i> , 2021 , 19, 100376	3.5	3
562	Microplastics as an emerging threat to plant and soil health in agroecosystems. <i>Science of the Total Environment</i> , 2021 , 787, 147444	10.2	32
561	Addition of base cations increases microbial carbon use efficiency and biomass in acidic soils. <i>Soil Biology and Biochemistry</i> , 2021 , 161, 108392	7.5	1
560	What is the risk of acquiring SARS-CoV-2 from the use of public toilets?. <i>Science of the Total Environment</i> , 2021 , 792, 148341	10.2	15
559	Livestock-induced N ₂ O emissions may limit the benefits of converting cropland to grazed grassland as a greenhouse gas mitigation strategy for agricultural peatlands. <i>Resources, Conservation and Recycling</i> , 2021 , 174, 105764	11.9	1
558	Identifying barriers to routine soil testing within beef and sheep farming systems. <i>Geoderma</i> , 2021 , 404, 115298	6.7	4

557	Arbuscular mycorrhizal fungi and biochar influence simazine decomposition and leaching. <i>GCB Bioenergy</i> , 2021 , 13, 708-718	5.6	4
556	Investigating heterogeneity in food risk perceptions using best-worst scaling. <i>Journal of Risk Research</i> , 2020 , 1-16	4.2	0
555	Viral indicators for tracking domestic wastewater contamination in the aquatic environment. <i>Water Research</i> , 2020 , 181, 115926	12.5	46
554	Impact of a single freeze-thaw and dry-wet event on soil solutes and microbial metabolites. <i>Applied Soil Ecology</i> , 2020 , 153, 103636	5	7
553	Response of soil phosphorus fractions and fluxes to different vegetation restoration types in a subtropical mountain ecosystem. <i>Catena</i> , 2020 , 193, 104663	5.8	16
552	Traits of dominant species and soil properties co-regulate soil microbial communities across land restoration types in a subtropical plateau region of Southwest China. <i>Ecological Engineering</i> , 2020 , 153, 105897	3.9	6
551	Experimental strategies to measure the microbial uptake and mineralization kinetics of dissolved organic carbon in soil. <i>Soil Ecology Letters</i> , 2020 , 2, 180-187	2.7	4
550	Wastewater and public health: the potential of wastewater surveillance for monitoring COVID-19. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 17, 14-20	8.1	72
549	Soil health cluster analysis based on national monitoring of soil indicators. <i>European Journal of Soil Science</i> , 2020 ,	3.4	7
548	Soil textural heterogeneity impacts bacterial but not fungal diversity. <i>Soil Biology and Biochemistry</i> , 2020 , 144, 107766	7.5	36
547	Rapid depletion of dissolved organic sulphur (DOS) in freshwaters. <i>Biogeochemistry</i> , 2020 , 149, 105-113	3.8	2
546	Dynamics of dissolved organic matter in headwaters: comparison of headwater streams with contrasting DOM and nutrient composition. <i>Aquatic Sciences</i> , 2020 , 82, 1	2.5	7
545	Farmyard manure applications stimulate soil carbon and nitrogen cycling by boosting microbial biomass rather than changing its community composition. <i>Soil Biology and Biochemistry</i> , 2020 , 144, 107760	7.5	45
544	Use of untargeted metabolomics for assessing soil quality and microbial function. <i>Soil Biology and Biochemistry</i> , 2020 , 143, 107758	7.5	29
543	Rhizosphere processes in nitrate-rich barley soil tripled both N ₂ O and N ₂ losses due to enhanced bacterial and fungal denitrification. <i>Plant and Soil</i> , 2020 , 448, 509-522	4.2	10
542	Carbon and nitrogen recycling from microbial necromass to cope with C:N stoichiometric imbalance by priming. <i>Soil Biology and Biochemistry</i> , 2020 , 142, 107720	7.5	75
541	Ocean warming increases the nitrogen demand and the uptake of organic nitrogen of the globally distributed seagrass <i>Zostera marina</i> . <i>Functional Ecology</i> , 2020 , 34, 1325-1335	5.6	1
540	Image-based quantification of soil microbial dead zones induced by nitrogen fertilization. <i>Science of the Total Environment</i> , 2020 , 727, 138197	10.2	11

539	Crop residue carbon-to-nitrogen ratio regulates denitrifier N ₂ O production post flooding. <i>Biology and Fertility of Soils</i> , 2020 , 56, 825-838	6.1	8
538	Soil microbes of an urban remnant riparian zone have greater potential for N removal than a degraded riparian zone. <i>Environmental Microbiology</i> , 2020 , 22, 3302-3314	5.2	2
537	Phosphorus acquisition by wheat from organic and inorganic sources labelled with ³² P and ³³ P radioisotopes. <i>Scientia Agricola</i> , 2020 , 77,	2.5	1
536	Seasonal variations in soil microbial communities under different land restoration types in a subtropical mountains region, Southwest China. <i>Applied Soil Ecology</i> , 2020 , 153, 103634	5	8
535	Cover crops affect the partial nitrogen balance in a maize-forage cropping system. <i>Geoderma</i> , 2020 , 360, 114000	6.7	16
534	Suppression of amino acid and oligopeptide mineralization by organic manure addition in a semiarid environment. <i>Land Degradation and Development</i> , 2020 , 31, 1915-1925	4.4	0
533	Conversion of coastal marshes to croplands decreases organic carbon but increases inorganic carbon in saline soils. <i>Land Degradation and Development</i> , 2020 , 31, 1099-1109	4.4	8
532	Impact of water table levels and winter cover crops on greenhouse gas emissions from cultivated peat soils. <i>Science of the Total Environment</i> , 2020 , 719, 135130	10.2	8
531	Acidification and anaerobic digestion change the phosphorus forms and distribution in particle fractions of cattle slurry and phosphorus dynamics in soil after application. <i>Biosystems Engineering</i> , 2020 , 200, 101-111	4.8	0
530	Carbon and sulphur tracing from soil organic sulphur in plants and soil microorganisms. <i>Soil Biology and Biochemistry</i> , 2020 , 150, 107971	7.5	7
529	Is soluble protein mineralisation and protease activity in soil regulated by supply or demand?. <i>Soil Biology and Biochemistry</i> , 2020 , 150, 108007	7.5	5
528	Revealing soil legacy phosphorus to promote sustainable agriculture in Brazil. <i>Scientific Reports</i> , 2020 , 10, 15615	4.9	16
527	Synthesis and characterization of struvite derived from poultry manure as a mineral fertilizer. <i>Journal of Environmental Management</i> , 2020 , 272, 111072	7.9	9
526	Microplastics in the agroecosystem: Are they an emerging threat to the plant-soil system?. <i>Soil Biology and Biochemistry</i> , 2020 , 148, 107926	7.5	74
525	Polyphenolic Profiling of Forestry Waste by UPLC-HDMSE. <i>Processes</i> , 2020 , 8, 1411	2.9	2
524	High Representation of Archaea Across All Depths in Oxic and Low-pH Sediment Layers Underlying an Acidic Stream. <i>Frontiers in Microbiology</i> , 2020 , 11, 576520	5.7	3
523	Soil carbon, nitrogen, and sulphur status affects the metabolism of organic S but not its uptake by microorganisms. <i>Soil Biology and Biochemistry</i> , 2020 , 149, 107943	7.5	10
522	Effects of <i>Ageratina adenophora</i> Invasion on the Understory Community and Soil Phosphorus Characteristics of Different Forest Types in Southwest China. <i>Forests</i> , 2020 , 11, 806	2.8	1

521	Shedding of SARS-CoV-2 in feces and urine and its potential role in person-to-person transmission and the environment-based spread of COVID-19. <i>Science of the Total Environment</i> , 2020 , 749, 141364	10.2	130
520	Sheep urination frequency, volume, N excretion and chemical composition: Implications for subsequent agricultural N losses. <i>Agriculture, Ecosystems and Environment</i> , 2020 , 302, 107073	5.7	9
519	Raising the groundwater table in the non-growing season can reduce greenhouse gas emissions and maintain crop productivity in cultivated fen peats. <i>Journal of Cleaner Production</i> , 2020 , 262, 121179	10.3	8
518	Seasonality is more important than forest type in regulating the pool size and composition of soil soluble N in temperate forests. <i>Biogeochemistry</i> , 2020 , 150, 279-295	3.8	0
517	Long-term farmyard manure application affects soil organic phosphorus cycling: A combined metagenomic and 33P/14C labelling study. <i>Soil Biology and Biochemistry</i> , 2020 , 149, 107959	7.5	19
516	Making waves: Wastewater-based epidemiology for COVID-19 - approaches and challenges for surveillance and prediction. <i>Water Research</i> , 2020 , 186, 116404	12.5	125
515	Do plants use root-derived proteases to promote the uptake of soil organic nitrogen?. <i>Plant and Soil</i> , 2020 , 456, 355-367	4.2	10
514	Behavior of microplastics and plastic film residues in the soil environment: A critical review. <i>Science of the Total Environment</i> , 2020 , 703, 134722	10.2	198
513	pH and exchangeable aluminum are major regulators of microbial energy flow and carbon use efficiency in soil microbial communities. <i>Soil Biology and Biochemistry</i> , 2019 , 138, 107584	7.5	53
512	15N-amino sugar stable isotope probing (15N-SIP) to trace the assimilation of fertiliser-N by soil bacterial and fungal communities. <i>Soil Biology and Biochemistry</i> , 2019 , 138, 107599	7.5	13
511	The pH optimum of soil exoenzymes adapt to long term changes in soil pH. <i>Soil Biology and Biochemistry</i> , 2019 , 138, 107601	7.5	27
510	Archaea dominate the microbial community in an ecosystem with low-to-moderate temperature and extreme acidity. <i>Microbiome</i> , 2019 , 7, 11	16.6	24
509	Impacts of abiotic stresses on the physiology and metabolism of cool-season grasses: A review. <i>Food and Energy Security</i> , 2019 , 8, e00152	4.1	13
508	Rye cover crop incorporation and high watertable mitigate greenhouse gas emissions in cultivated peatland. <i>Land Degradation and Development</i> , 2019 , 30, 1928-1938	4.4	8
507	The Design and Deployment of an End-To-End IoT Infrastructure for the Natural Environment. <i>Future Internet</i> , 2019 , 11, 129	3.3	10
506	Application of Bayesian statistics to estimate nitrous oxide emission factors of three nitrogen fertilisers on UK grasslands. <i>Environment International</i> , 2019 , 128, 362-370	12.9	17
505	Variation in dissolved organic matter (DOM) stoichiometry in U.K. freshwaters: Assessing the influence of land cover and soil C:N ratio on DOM composition. <i>Limnology and Oceanography</i> , 2019 , 64, 2328-2340	4.8	29
504	Is the ßnzyme latchbr ðron gate the key to protecting soil organic carbon in peatlands?. <i>Geoderma</i> , 2019 , 349, 107-113	6.7	23

503	Short-term responses of greenhouse gas emissions and ecosystem carbon fluxes to elevated ozone and N fertilization in a temperate grassland. <i>Atmospheric Environment</i> , 2019 , 211, 204-213	5.3	7
502	High resolution HPLC-MS confirms overestimation of urea in soil by the diacetyl monoxime (DAM) colorimetric method. <i>Soil Biology and Biochemistry</i> , 2019 , 135, 127-133	7.5	5
501	Assessing the benefits and wider costs of different N fertilisers for grassland agriculture. <i>Archives of Agronomy and Soil Science</i> , 2019 , 65, 625-639	2	10
500	Viral dispersal in the coastal zone: A method to quantify water quality risk. <i>Environment International</i> , 2019 , 126, 430-442	12.9	6
499	Boreal Forest Floor Greenhouse Gas Emissions Across a Pleurozium schreberi-Dominated, Wildfire-Disturbed Chronosequence. <i>Ecosystems</i> , 2019 , 22, 1381-1392	3.9	4
498	Divergent national-scale trends of microbial and animal biodiversity revealed across diverse temperate soil ecosystems. <i>Nature Communications</i> , 2019 , 10, 1107	17.4	51
497	Agroecosystem resilience in response to extreme winter flooding. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 279, 1-13	5.7	9
496	A plant perspective on nitrogen cycling in the rhizosphere. <i>Functional Ecology</i> , 2019 , 33, 540-552	5.6	112
495	Critical Evaluation of CrAssphage as a Molecular Marker for Human-Derived Wastewater Contamination in the Aquatic Environment. <i>Food and Environmental Virology</i> , 2019 , 11, 113-119	4	45
494	Development of Alditol Acetate Derivatives for the Determination of N-Enriched Amino Sugars by Gas Chromatography-Combustion-Isotope Ratio Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 3397-3404 ⁶	7.8	6
493	Slurry acidification and anaerobic digestion affects the speciation and vertical movement of particulate and nanoparticulate phosphorus in soil after cattle slurry application. <i>Soil and Tillage Research</i> , 2019 , 189, 199-206	6.5	11
492	Microbial uptake kinetics of dissolved organic carbon (DOC) compound groups from river water and sediments. <i>Scientific Reports</i> , 2019 , 9, 11229	4.9	18
491	Testing the relative sensitivity of 102 ecological variables as indicators of woodland condition in the New Forest, UK. <i>Ecological Indicators</i> , 2019 , 107, 105575	5.8	2
490	Nitrification represents the bottle-neck of sheep urine patch NO emissions from extensively grazed organic soils. <i>Science of the Total Environment</i> , 2019 , 695, 133786	10.2	9
489	Freeze-thaw and dry-wet events reduce microbial extracellular enzyme activity, but not organic matter turnover in an agricultural grassland soil. <i>Applied Soil Ecology</i> , 2019 , 144, 196-199	5	10
488	Nutrient enrichment induces a shift in dissolved organic carbon (DOC) metabolism in oligotrophic freshwater sediments. <i>Science of the Total Environment</i> , 2019 , 690, 1131-1139	10.2	13
487	Negative influence of biofilm on CoCrMo corrosion. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2556-2566	5.4	1
486	Plant and soil communities are associated with the response of soil water repellency to environmental stress. <i>Science of the Total Environment</i> , 2019 , 687, 929-938	10.2	17

485	Microbial utilization of low molecular weight organic carbon substrates in cultivated peats in response to warming and soil degradation. <i>Soil Biology and Biochemistry</i> , 2019 , 139, 107629	7.5	21
484	Primer and Database Choice Affect Fungal Functional but Not Biological Diversity Findings in a National Soil Survey. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	15
483	Angiosperm symbioses with non-mycorrhizal fungal partners enhance N acquisition from ancient organic matter in a warming maritime Antarctic. <i>Ecology Letters</i> , 2019 , 22, 2111-2119	10	28
482	Effects of 7 years of field weathering on biochar recalcitrance and solubility. <i>Biochar</i> , 2019 , 1, 237-248	10	6
481	Plant-microbe competition: does injection of isotopes of C and N into the rhizosphere effectively characterise plant use of soil N?. <i>New Phytologist</i> , 2019 , 221, 796-806	9.8	23
480	The role of phosphorus sources on root diameter, root length and root dry matter of barley (<i>Hordeum vulgare</i> L.). <i>Journal of Plant Nutrition</i> , 2019 , 42, 1-15	2.3	18
479	Hotspots and hot moments of amino acid N in soil: Real-time insights using continuous microdialysis sampling. <i>Soil Biology and Biochemistry</i> , 2019 , 131, 40-43	7.5	16
478	Mycorrhizas improve the absorption of non-available phosphorus by the green manure <i>Tithonia diversifolia</i> in poor soils. <i>Rhizosphere</i> , 2019 , 9, 27-33	3.5	4
477	What can management option uptake tell us about ecosystem services delivery through agri-environment schemes?. <i>Land Use Policy</i> , 2019 , 81, 194-208	5.6	11
476	Typology of extreme flood event leads to differential impacts on soil functioning. <i>Soil Biology and Biochemistry</i> , 2019 , 129, 153-168	7.5	14
475	Solubility, Diffusion and Crop Uptake of Phosphorus in Three Different Struvites. <i>Sustainability</i> , 2019 , 11, 134	3.6	15
474	Effects of four years of elevated ozone on microbial biomass and extracellular enzyme activities in a semi-natural grassland. <i>Science of the Total Environment</i> , 2019 , 660, 260-268	10.2	10
473	Extreme flood events at higher temperatures exacerbate the loss of soil functionality and trace gas emissions in grassland. <i>Soil Biology and Biochemistry</i> , 2019 , 130, 227-236	7.5	15
472	Estimating greenhouse gases emissions from horticultural peat soils using a DNDC modelling approach. <i>Journal of Environmental Management</i> , 2019 , 233, 681-694	7.9	12
471	Repeated application of anaerobic digestate, undigested cattle slurry and inorganic fertilizer N: Impacts on pasture yield and quality. <i>Grass and Forage Science</i> , 2018 , 73, 758-763	2.3	19
470	Seasonal and spatial dynamics of enteric viruses in wastewater and in riverine and estuarine receiving waters. <i>Science of the Total Environment</i> , 2018 , 634, 1174-1183	10.2	80
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468	Comparative effects of prolonged freshwater and saline flooding on nitrogen cycling in an agricultural soil. <i>Applied Soil Ecology</i> , 2018 , 125, 56-70	5	16

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463	Influence of biochar produced from different pyrolysis temperature on nutrient retention and leaching. <i>Archives of Agronomy and Soil Science</i> , 2018 , 64, 850-859	2	30
462	Viromic Analysis of Wastewater Input to a River Catchment Reveals a Diverse Assemblage of RNA Viruses. <i>MSystems</i> , 2018 , 3,	7.6	36
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458	Methodological bias associated with soluble protein recovery from soil. <i>Scientific Reports</i> , 2018 , 8, 11186	4.9	9
457	Nano-Sized and Filterable Bacteria and Archaea: Biodiversity and Function. <i>Frontiers in Microbiology</i> , 2018 , 9, 1971	5.7	33
456	Sampling root exudates [Mission impossible?]. <i>Rhizosphere</i> , 2018 , 6, 116-133	3.5	130
455	Delineating and mapping riparian areas for ecosystem service assessment. <i>Ecohydrology</i> , 2018 , 11, e1928	4.5	7
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453	Detecting macroecological patterns in bacterial communities across independent studies of global soils. <i>Nature Microbiology</i> , 2018 , 3, 189-196	26.6	86
452	Moisture activation and carbon use efficiency of soil microbial communities along an aridity gradient in the Atacama Desert. <i>Soil Biology and Biochemistry</i> , 2018 , 117, 68-71	7.5	30
451	Microbial competition for nitrogen and carbon is as intense in the subsoil as in the topsoil. <i>Soil Biology and Biochemistry</i> , 2018 , 117, 72-82	7.5	75
450	Fluctuating fishing intensities and climate dynamics reorganize the Gulf of Mexico's fisheries resources. <i>Ecosphere</i> , 2018 , 9, e02487	3.1	1

449	Seasonal and diurnal surveillance of treated and untreated wastewater for human enteric viruses. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 33391-33401	5.1	26
448	Stoichiometric constraints on the microbial processing of carbon with soil depth along a riparian hillslope. <i>Biology and Fertility of Soils</i> , 2018 , 54, 949-963	6.1	21
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445	Efficacy of mitigation measures for reducing greenhouse gas emissions from intensively cultivated peatlands. <i>Soil Biology and Biochemistry</i> , 2018 , 127, 10-21	7.5	15
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443	Advanced Processing of Food Waste Based Digestate for Mitigating Nitrogen Losses in a Winter Wheat Crop. <i>Frontiers in Sustainable Food Systems</i> , 2018 , 2,	4.8	14
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440	Leaf dry matter content is better at predicting above-ground net primary production than specific leaf area. <i>Functional Ecology</i> , 2017 , 31, 1336-1344	5.6	33
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319	The resilience of nitrogen fixation in feather moss (<i>Pleurozium schreberi</i>)-cyanobacteria associations after a drying and rewetting cycle. <i>Plant and Soil</i> , 2014 , 377, 159-167	4.2	22
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316	Bracken fern (<i>Pteridium aquilinum</i> L. kuhn) promotes an open nitrogen cycle in heathland soils. <i>Plant and Soil</i> , 2013 , 367, 521-534	4.2	15
315	Biochar application reduces nodulation but increases nitrogenase activity in clover. <i>Plant and Soil</i> , 2013 , 366, 83-92	4.2	72
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3	Relative efficacy and stability of biological and synthetic nitrification inhibitors in a highly nitrifying soil: Evidence of apparent nitrification inhibition by linoleic acid and linolenic acid. <i>European Journal of Soil Science</i> ,	3.4	5
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