David L Jones

List of Publications by Year
in descending order

644 papers	47,805 citations	1704 104 h-index	3487 182 g-index
670 all docs	670 docs citations	670 times ranked	36323 citing authors

#	Article	IF	Citations
1	Organic acids in the rhizosphere â€“ a critical review. , 1998, 205, 25-44.		2,017
2	Carbon flow in the rhizosphere: carbon trading at the soilâ€“root interface. Plant and Soil, 2009, 321, 5-33.	3.7	1,246
3	FUNCTION ANDMECHANISM OFORGANICANIONEXUDATION FROMPLANTROOTS. Annual Review of Plant Biology, 2001, 52, 527-560.	14.3	1,196
4	Optimisation of the anaerobic digestion of agricultural resources. Bioresource Technology, 2008, 99, 7928-7940.	9.6	1,140
5	Plant and mycorrhizal regulation of rhizodeposition. New Phytologist, 2004, 163, 459-480.	7.3	1,129
6	Experimental evaluation of methods to quantify dissolved organic nitrogen (DON) and dissolved organic carbon (DOC) in soil. Soil Biology and Biochemistry, 2006, 38, 991-999.	8.8	1,004
7	The role of the natural environment in the emergence of antibiotic resistance in Gram-negative bacteria. Lancet Infectious Diseases, The, 2013, 13, 155-165.	9.1	839
8	Biochar-mediated changes in soil quality and plant growth in a three year field trial. Soil Biology and Biochemistry, 2012, 45, 113-124.	8.8	724
9	Humic and fulvic acids as biostimulants in horticulture. Scientia Horticulturae, 2015, 196, 15-27.	3.6	591
10	The carbon we do not seeâ€”the impact of low molecular weight compounds on carbon dynamics and respiration in forest soils: a review. Soil Biology and Biochemistry, 2005, 37, 1-13.	8.8	561
11	Role of root derived organic acids in the mobilization of nutrients from the rhizosphere. Plant and Soil, 1994, 166, 247-257.	3.7	557
12	pH regulation of carbon and nitrogen dynamics in two agricultural soils. Soil Biology and Biochemistry, 2006, 38, 898-911.	8.8	540
13	Organic acid behavior in soils â€“ misconceptions and knowledge gaps. Plant and Soil, 2003, 248, 31-41.	3.7	529
14	Dissolved organic nitrogen uptake by plantsâ€”an important N uptake pathway?. Soil Biology and Biochemistry, 2005, 37, 413-423.	8.8	518
15	Microbes as Engines of Ecosystem Function: When Does Community Structure Enhance Predictions of Ecosystem Processes?. Frontiers in Microbiology, 2016, 7, 214.	3.5	479
16	Through form to function: root hair development and nutrient uptake. Trends in Plant Science, 2000, 5, 56-60.	8.8	458
17	Short-term biochar-induced increase in soil CO2 release is both biotically and abiotically mediated. Soil Biology and Biochemistry, 2011, 43, 1723-1731.	8.8	445
18	Behavior of microplastics and plastic film residues in the soil environment: A critical review. Science of the Total Environment, 2020, 703, 134722.	8.0	431

#	Article	IF	Citations
19	Life in the â€˜charosphereâ€™ â€“ Does biochar in agricultural soil provide a significant habitat for microorganisms?. Soil Biology and Biochemistry, 2013, 65, 287-293.	8.8	407
20	Decreased soil microbial biomass and nitrogen mineralisation with Eucalyptus biochar addition to a coarse textured soil. Plant and Soil, 2012, 354, 311-324.	3.7	382
21	HOW ROOTS CONTROL THE FLUX OF CARBON TO THE RHIZOSPHERE. Ecology, 2003, 84, 827-837.	3.2	371
22	Role of dissolved organic nitrogen (DON) in soil N cycling in grassland soils. Soil Biology and Biochemistry, 2004, 36, 749-756.	8.8	363
23	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. Environmental Science & Technology, 2020, 54, 7754-7757.	10.0	337
24	Competition for amino acids between wheat roots and rhizosphere microorganisms and the role of amino acids in plant N acquisition. Soil Biology and Biochemistry, 2001, 33, 651-657.	8.8	305
25	Simple method to enable the high resolution determination of total free amino acids in soil solutions and soil extracts. Soil Biology and Biochemistry, 2002, 34, 1893-1902.	8.8	297
26	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. Science of the Total Environment, 2020, 749, 141364.	8.0	293
27	A plant perspective on nitrogen cycling in the rhizosphere. Functional Ecology, 2019, 33, 540-552.	3.6	292
28	Testing the assertion that â€˜local food is bestâ€™: the challenges of an evidence-based approach. Trends in Food Science and Technology, 2008, 19, 265-274.	15.1	291
29	Critical review of the impacts of grazing intensity on soil organic carbon storage and other soil quality indicators in extensively managed grasslands. Agriculture, Ecosystems and Environment, 2018, 253, 62-81.	5.3	289
30	Influence of sorption on the biological utilization of two simple carbon substrates. Soil Biology and Biochemistry, 1998, 30, 1895-1902.	8.8	274
31	Biochar mediated alterations in herbicide breakdown and leaching in soil. Soil Biology and Biochemistry, 2011, 43, 804-813.	8.8	267
32	Critical evaluation of organic acid mediated iron dissolution in the rhizosphere and its potential role in root iron uptake. Plant and Soil, 1996, 180, 57-66.	3.7	266
33	Soil amino acid turnover dominates the nitrogen flux in permafrost-dominated taiga forest soils. Soil Biology and Biochemistry, 2002, 34, 209-219.	8.8	262
34	The Fibrobacteres: an Important Phylum of Cellulose-Degrading Bacteria. Microbial Ecology, 2012, 63, 267-281.	2.8	255
35	The control of carbon acquisition by roots. New Phytologist, 2000, 147, 43-53.	7.3	251
36	Making waves: Wastewater-based epidemiology for COVID-19 â€“ approaches and challenges for surveillance and prediction. Water Research, 2020, 186, 116404.	11.3	250

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37	The microplastisphere: Biodegradable microplastics addition alters soil microbial community structure and function. Soil Biology and Biochemistry, 2021, 156, 108211.	8.8	249
38	Sampling root exudates â€“ Mission impossible?. Rhizosphere, 2018, 6, 116-133.	3.0	241
39	Spatial coordination of aluminium uptake, production of reactive oxygen species, callose production and wall rigidification in maize roots. Plant, Cell and Environment, 2006, 29, 1309-1318.	5.7	237
40	Struvite: a slow-release fertiliser for sustainable phosphorus management?. Plant and Soil, 2016, 401, 109-123.	3.7	235
41	Amino-acid influx at the soil-root interface of Zea mays L. and its implications in the rhizosphere. Plant and Soil, 1994, 163, 1-12.	3.7	234
42	Feed the Crop Not the Soil: Rethinking Phosphorus Management in the Food Chain. Environmental Science & Technology, 2014, 48, 6523-6530.	10.0	224
43	Critical evaluation of municipal solid waste composting and potential compost markets. Bioresource Technology, 2009, 100, 4301-4310.	9.6	215
44	Fast turnover of low molecular weight components of the dissolved organic carbon pool of temperate grassland field soils. Soil Biology and Biochemistry, 2007, 39, 827-835.	8.8	210
45	Carbon and nitrogen recycling from microbial necromass to cope with C:N stoichiometric imbalance by priming. Soil Biology and Biochemistry, 2020, 142, 107720.	8.8	206
46	REVIEW: Nutrient stripping: the global disparity between food security and soil nutrient stocks. Journal of Applied Ecology, 2013, 50, 851-862.	4.0	199
47	Sorption of organic acids in acid soils and its implications in the rhizosphere. European Journal of Soil Science, 1998, 49, 447-455.	3.9	198
48	Soil microbial community patterns related to the history and intensity of grazing in sub-montane ecosystems. Soil Biology and Biochemistry, 2001, 33, 1653-1664.	8.8	198
49	Contrasting effects of straw and straw-derived biochar amendments on greenhouse gas emissions within double rice cropping systems. Agriculture, Ecosystems and Environment, 2014, 188, 264-274.	5.3	198
50	Microplastics in the agroecosystem: Are they an emerging threat to the plant-soil system?. Soil Biology and Biochemistry, 2020, 148, 107926.	8.8	190
51	Nutrient dynamics, microbial growth and weed emergence in biochar amended soil are influenced by time since application and reapplication rate. Agriculture, Ecosystems and Environment, 2012, 158, 192-199.	5.3	186
52	A comparison of methods to determine the biodegradable dissolved organic carbon from different terrestrial sources. Soil Biology and Biochemistry, 2006, 38, 1933-1942.	8.8	184
53	Amino acid biodegradation and its potential effects on organic nitrogen capture by plants. Soil Biology and Biochemistry, 1999, 31, 613-622.	8.8	183
54	Root exudate components change litter decomposition in a simulated rhizosphere depending on temperature. Plant and Soil, 2007, 290, 293-305.	3.7	182

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55	Alterations in the Cytoskeleton Accompany Aluminum-Induced Growth Inhibition and Morphological Changes in Primary Roots of Maize1. Plant Physiology, 1998, 118, 159-172.	4.8	181
56	Phosphorus saturation and pH differentially regulate the efficiency of organic acid anion-mediated P solubilization mechanisms in soil. Plant and Soil, 2011, 341, 363-382.	3.7	178
57	Overriding water table control on managed peatland greenhouse gas emissions. Nature, 2021, 593, 548-552.	27.8	172
58	Wastewater and public health: the potential of wastewater surveillance for monitoring COVID-19. Current Opinion in Environmental Science and Health, 2020, 17, 14-20.	4.1	163
59	Aluminum Inhibition of the Inositol 1,4,5-Trisphosphate Signal Transduction Pathway in Wheat Roots: A Role in Aluminum Toxicity?. Plant Cell, 1995, 7, 1913-1922.	6.6	161
60	Protein breakdown represents a major bottleneck in nitrogen cycling in grassland soils. Soil Biology and Biochemistry, 2009, 41, 2272-2282.	8.8	159
61	Does biochar application alter heavy metal dynamics in agricultural soil?. Agriculture, Ecosystems and Environment, 2014, 184, 149-157.	5.3	158
62	Organic acid behaviour in a calcareous soil implications for rhizosphere nutrient cycling. Soil Biology and Biochemistry, 2005, 37, 2046-2054.	8.8	154
63	Influx and efflux of organic acids across the soil-root interface of Zea mays L. and its implications in rhizosphere C flow. Plant and Soil, 1995, 173, 103-109.	3.7	153
64	Organic acid mediated P mobilization in the rhizosphere and uptake by maize roots. Soil Biology and Biochemistry, 2002, 34, 703-710.	8.8	152
65	Low molecular weight organic acid adsorption in forest soils: effects on soil solution concentrations and biodegradation rates. Soil Biology and Biochemistry, 2003, 35, 1015-1026.	8.8	151
66	Vascular plant success in a warming Antarctic may be due to efficient nitrogen acquisition. Nature Climate Change, 2011, 1, 50-53.	18.8	151
67	Plant capture of free amino acids is maximized under high soil amino acid concentrations. Soil Biology and Biochemistry, 2005, 37, 179-181.	8.8	149
68	Interactive effects of organic acids in the rhizosphere. Soil Biology and Biochemistry, 2009, 41, 449-457.	8.8	149
69	Decoupling of microbial glucose uptake and mineralization in soil. Soil Biology and Biochemistry, 2008, 40, 616-624.	8.8	148
70	Biodegradation kinetics and sorption reactions of three differently charged amino acids in soil and their effects on plant organic nitrogen availability. Soil Biology and Biochemistry, 1999, 31, 1331-1342.	8.8	147
71	Biodegradation of low molecular weight organic acids in coniferous forest podzolic soils. Soil Biology and Biochemistry, 2002, 34, 1261-1272.	8.8	144
72	Temporal Dynamics of Carbon Partitioning and Rhizodeposition in Wheat. Plant Physiology, 2004, 134, 706-715.	4.8	144

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73	Aluminum interaction with plasma membrane lipids and enzyme metal binding sites and its potential role in Al cytotoxicity. FEBS Letters, 1997, 400, 51-57.	2.8	143
74	The environmental and biosecurity characteristics of livestock carcass disposal methods: A review. Waste Management, 2011, 31, 767-778.	7.4	143
75	Replacing inorganic fertilizer with anaerobic digestate may maintain agricultural productivity at less environmental cost. Journal of Plant Nutrition and Soil Science, 2012, 175, 840-845.	1.9	143
76	Recovery of soil organic matter, organic matter turnover and nitrogen cycling in a post-mining forest rehabilitation chronosequence. Soil Biology and Biochemistry, 2008, 40, 2021-2031.	8.8	142
77	Soil organic nitrogen mineralization across a global latitudinal gradient. Global Biogeochemical Cycles, 2009, 23, .	4.9	140
78	Bacterial growth and respiration responses upon rewetting dry forest soils: Impact of drought-legacy. Soil Biology and Biochemistry, 2013, 57, 477-486.	8.8	140
79	Organic acid behaviour in a calcareous soil: sorption reactions and biodegradation rates. Soil Biology and Biochemistry, 2001, 33, 2125-2133.	8.8	138
80	Microplastics as an emerging threat to plant and soil health in agroecosystems. Science of the Total Environment, 2021, 787, 147444.	8.0	138
81	Soil microbial organic nitrogen uptake is regulated by carbon availability. Soil Biology and Biochemistry, 2014, 77, 261-267.	8.8	137
82	Detecting macroecological patterns in bacterial communities across independent studies of global soils. Nature Microbiology, 2018, 3, 189-196.	13.3	136
83	Macro- and microplastic accumulation in soil after 32 years of plastic film mulching. Environmental Pollution, 2022, 300, 118945.	7.5	136
84	Kinetics of malate transport and decomposition in acid soils and isolated bacterial populations: The effect of microorganisms on root exudation of malate under Al stress. Plant and Soil, 1996, 182, 239-247.	3.7	134
85	Seasonal and spatial dynamics of enteric viruses in wastewater and in riverine and estuarine receiving waters. Science of the Total Environment, 2018, 634, 1174-1183.	8.0	134
86	In Situ Mapping of Nutrient Uptake in the Rhizosphere Using Nanoscale Secondary Ion Mass Spectrometry. Plant Physiology, 2009, 151, 1751-1757.	4.8	132
87	Solubilization of Phosphorus by Soil Microorganisms. Soil Biology, 2011, , 169-198.	0.8	126
88	Comparative Toxicity of Nanoparticulate CuO and ZnO to Soil Bacterial Communities. PLoS ONE, 2012, 7, e34197.	2.5	124
89	pH and exchangeable aluminum are major regulators of microbial energy flow and carbon use efficiency in soil microbial communities. Soil Biology and Biochemistry, 2019, 138, 107584.	8.8	124
90	Effect of aluminum on cytoplasmic Ca 2+ homeostasis in root hairs of Arabidopsis thaliana (L.). Planta, 1998, 206, 378-387.	3.2	123

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91	Rice rhizodeposition and its utilization by microbial groups depends on N fertilization. Biology and Fertility of Soils, 2017, 53, 37-48.	4.3	123
92	Rapid intrinsic rates of amino acid biodegradation in soils are unaffected by agricultural management strategy. Soil Biology and Biochemistry, 2005, 37, 1267-1275.	8.8	121
93	Phytoremediation of landfill leachate. Waste Management, 2006, 26, 825-837.	7.4	120
94	Microbial competition for nitrogen and carbon is as intense in the subsoil as in the topsoil. Soil Biology and Biochemistry, 2018, 117, 72-82.	8.8	120
95	Is biochar a source or sink for polycyclic aromatic hydrocarbon (PAH) compounds in agricultural soils?. GCB Bioenergy, 2013, 5, 96-103.	5.6	119
96	Clay and biochar amendments decreased inorganic but not dissolved organic nitrogen leaching in soil. Soil Research, 2012, 50, 216.	1.1	118
97	Acquisition and Assimilation of Nitrogen as Peptide-Bound and D-Enantiomers of Amino Acids by Wheat. PLoS ONE, 2011, 6, e19220.	2.5	118
98	Monitoring SARS-CoV-2 in municipal wastewater to evaluate the success of lockdown measures for controlling COVID-19 in the UK. Water Research, 2021, 200, 117214.	11.3	117
99	A novel biologically-based approach to evaluating soil phosphorus availability across complex landscapes. Soil Biology and Biochemistry, 2015, 88, 110-119.	8.8	116
100	Farmersâ€™ perceptions of climate change: identifying types. Agriculture and Human Values, 2016, 33, 323-339.	3.0	115
101	Potential health risks associated with the persistence of Escherichia coli O157 in agricultural environments. Soil Use and Management, 1999, 15, 76-83.	4.9	114
102	Whole tree harvesting can reduce second rotation forest productivity. Forest Ecology and Management, 2009, 257, 1104-1111.	3.2	113
103	Oxalate and ferricrocin exudation by the extramatrical mycelium of an ectomycorrhizal fungus in symbiosis with Pinus sylvestris. New Phytologist, 2006, 169, 367-378.	7.3	111
104	High resolution synchrotron imaging of wheat root hairs growing in soil and image based modelling of phosphate uptake. New Phytologist, 2013, 198, 1023-1029.	7.3	111
105	Remediation of metal polluted mine soil with compost: Co-composting versus incorporation. Environmental Pollution, 2009, 157, 690-697.	7.5	110
106	Re-sorption of organic compounds by roots of Zea mays L. and its consequences in the rhizosphere. Plant and Soil, 1996, 178, 153-160.	3.7	109
107	Investigating the longâ€term legacy of drought and warming on the soil microbial community across five <scp>E</scp>uropean shrubland ecosystems. Global Change Biology, 2013, 19, 3872-3884.	9.5	109
108	Abundance and Distribution of Enteric Bacteria and Viruses in Coastal and Estuarine Sedimentsâ€”a Review. Frontiers in Microbiology, 2016, 7, 1692.	3.5	109

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109	Re-sorption of organic compounds by roots of Zea mays L. and its consequences in the rhizosphere. Plant and Soil, 1993, 153, 47-59.	3.7	108
110	Loss of low molecular weight dissolved organic carbon (DOC) and nitrogen (DON) in H2O and 0.5 M K2SO4 soil extracts. Soil Biology and Biochemistry, 2010, 42, 2331-2335.	8.8	108
111	Amino acid, peptide and protein mineralization dynamics in a taiga forest soil. Soil Biology and Biochemistry, 2012, 55, 60-69.	8.8	107
112	Migration of heavy metals in soil as influenced by compost amendments. Environmental Pollution, 2010, 158, 55-64.	7.5	106
113	Understanding and managing uncertainty and variability for wastewater monitoring beyond the pandemic: Lessons learned from the United Kingdom national COVID-19 surveillance programmes. Journal of Hazardous Materials, 2022, 424, 127456.	12.4	105
114	Divergent national-scale trends of microbial and animal biodiversity revealed across diverse temperate soil ecosystems. Nature Communications, 2019, 10, 1107.	12.8	104
115	Farmyard manure applications stimulate soil carbon and nitrogen cycling by boosting microbial biomass rather than changing its community composition. Soil Biology and Biochemistry, 2020, 144, 107760.	8.8	102
116	Aluminum Induces a Decrease in Cytosolic Calcium Concentration in BY-2 Tobacco Cell Cultures1. Plant Physiology, 1998, 116, 81-89.	4.8	101
117	Bacterial salt tolerance is unrelated to soil salinity across an arid agroecosystem salinity gradient. Soil Biology and Biochemistry, 2011, 43, 1881-1887.	8.8	101
118	Moss-cyanobacteria associations as biogenic sources of nitrogen in boreal forest ecosystems. Frontiers in Microbiology, 2013, 4, 150.	3.5	101
119	Viral indicators for tracking domestic wastewater contamination in the aquatic environment. Water Research, 2020, 181, 115926.	11.3	97
120	Stability and dynamics of enzyme activity patterns in the rice rhizosphere: Effects of plant growth and temperature. Soil Biology and Biochemistry, 2017, 113, 108-115.	8.8	96
121	Turnover of low molecular weight dissolved organic C (DOC) and microbial C exhibit different temperature sensitivities in Arctic tundra soils. Soil Biology and Biochemistry, 2008, 40, 1557-1566.	8.8	95
122	Role of proteinaceous amino acids released in root exudates in nutrient acquisition from the rhizosphere. Plant and Soil, 1994, 158, 183-192.	3.7	94
123	Biochar application reduces nodulation but increases nitrogenase activity in clover. Plant and Soil, 2013, 366, 83-92.	3.7	94
124	Microbial response time to sugar and amino acid additions to soil. Soil Biology and Biochemistry, 2007, 39, 2178-2182.	8.8	93
125	Use of composts in the remediation of heavy metal contaminated soil. Journal of Hazardous Materials, 2010, 175, 575-582.	12.4	93
126	Role of calcium and other ions in directing root hair tip growth in Limnobium stoloniferum. Planta, 1995, 197, 672.	3.2	92

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127	Effect of the Earthworms Lumbricus terrestris and Aporrectodea caliginosa on Bacterial Diversity in Soil. Microbial Ecology, 2010, 59, 574-587.	2.8	92
128	Response of soil microbial community to afforestation with pure and mixed species. Plant and Soil, 2017, 412, 357-368.	3.7	92
129	Dissolved organic nitrogen in contrasting agricultural ecosystems. Soil Biology and Biochemistry, 2005, 37, 1560-1563.	8.8	91
130	Glucose uptake by maize roots and its transformation in the rhizosphere. Soil Biology and Biochemistry, 2006, 38, 851-860.	8.8	91
131	Critical evaluation of methods for determining total protein in soil solution. Soil Biology and Biochemistry, 2008, 40, 1485-1495.	8.8	90
132	Selecting statistical models and variable combinations for optimal classification using otolith microchemistry. , 2011, 21, 1352-1364.		89
133	Effects of biochar amendment on the net greenhouse gas emission and greenhouse gas intensity in a Chinese double rice cropping system. European Journal of Soil Biology, 2014, 65, 30-39.	3.2	88
134	Soil textural heterogeneity impacts bacterial but not fungal diversity. Soil Biology and Biochemistry, 2020, 144, 107766.	8.8	88
135	Kinetics of soil microbial uptake of free amino acids. Biology and Fertility of Soils, 2001, 33, 67-74.	4.3	87
136	Competition between plant and bacterial cells at the microscale regulates the dynamics of nitrogen acquisition in wheat (Triticum aestivum). New Phytologist, 2013, 200, 796-807.	7.3	87
137	Modelling the rhizosphere: a review of methods for â€˜upscalingâ€™ to the whole-plant scale. European Journal of Soil Science, 2006, 57, 13-25.	3.9	86
138	The rhizosphere: complex by design. Plant and Soil, 2008, 312, 1-6.	3.7	86
139	Vulnerability of exporting nations to the development of a carbon label in the United Kingdom. Environmental Science and Policy, 2009, 12, 479-490.	4.9	85
140	Seasonal variation in soluble soil carbon and nitrogen across a grassland productivity gradient. Soil Biology and Biochemistry, 2011, 43, 835-844.	8.8	85
141	Kinetics of microplastic generation from different types of mulch films in agricultural soil. Science of the Total Environment, 2022, 814, 152572.	8.0	83
142	Soil microbial biomassâ€”Interpretation and consideration for soil monitoring. Soil Research, 2011, 49, 287.	1.1	82
143	Carbon sequestration and biogeochemical cycling in a saltmarsh subject to coastal managed realignment. Estuarine, Coastal and Shelf Science, 2013, 120, 12-20.	2.1	82
144	Effects of plastic residues and microplastics on soil ecosystems: A global meta-analysis. Journal of Hazardous Materials, 2022, 435, 129065.	12.4	82

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145	Re-sorption of organic components by roots of Zea mays L. and its consequences in the rhizosphere. Plant and Soil, 1992, 143, 259-266.	3.7	81
146	Oligopeptides Represent a Preferred Source of Organic N Uptake: A Global Phenomenon?. Ecosystems, 2013, 16, 133-145.	3.4	80
147	Use of untargeted metabolomics for assessing soil quality and microbial function. Soil Biology and Biochemistry, 2020, 143, 107758.	8.8	80
148	Effect thresholds for the earthworm Eisenia fetida: Toxicity comparison between conventional and biodegradable microplastics. Science of the Total Environment, 2021, 781, 146884.	8.0	80
149	Survival of E. coli O157:H7 in organic wastes destined for land application. Journal of Applied Microbiology, 2005, 98, 814-822.	3.1	79
150	Fungal and bacterial growth following the application of slurry and anaerobic digestate of livestock manure to temperate pasture soils. Biology and Fertility of Soils, 2012, 48, 889-897.	4.3	79
151	Can macrophyte harvesting from eutrophic water close the loop on nutrient loss from agricultural land?. Journal of Environmental Management, 2015, 152, 210-217.	7.8	79
152	Critical Review on the Public Health Impact of Norovirus Contamination in Shellfish and the Environment: A UK Perspective. Food and Environmental Virology, 2017, 9, 123-141.	3.4	79
153	Persistence of Escherichia coli O157 on farm surfaces under different environmental conditions. Journal of Applied Microbiology, 2005, 98, 1075-1083.	3.1	78
154	Sediment Composition Influences Spatial Variation in the Abundance of Human Pathogen Indicator Bacteria within an Estuarine Environment. PLoS ONE, 2014, 9, e112951.	2.5	78
155	Real-time PCR and microscopy: Are the two methods measuring the same unit of arbuscular mycorrhizal fungal abundance?. Fungal Genetics and Biology, 2008, 45, 581-596.	2.1	77
156	Critical Evaluation of CrAssphage as a Molecular Marker for Human-Derived Wastewater Contamination in the Aquatic Environment. Food and Environmental Virology, 2019, 11, 113-119.	3.4	77
157	Organic nitrogen mineralisation in two contrasting agro-ecosystems is unchanged by biochar addition. Soil Biology and Biochemistry, 2012, 48, 47-50.	8.8	75
158	Free amino sugar reactions in soil in relation to soil carbon and nitrogen cycling. Soil Biology and Biochemistry, 2007, 39, 3081-3092.	8.8	74
159	Amino acids as a nitrogen source for tomato seedlings: The use of dual-labeled (13C, 15N) glycine to test for direct uptake by tomato seedlings. Environmental and Experimental Botany, 2009, 66, 357-361.	4.2	73
160	Auxin secretion by Bacillus amyloliquefaciens FZB42 both stimulates root exudation and limits phosphorus uptake in Triticum aestivium. BMC Plant Biology, 2014, 14, 51.	3.6	73
161	The pH optimum of soil exoenzymes adapt to long term changes in soil pH. Soil Biology and Biochemistry, 2019, 138, 107601.	8.8	73
162	Heavy metal fractionation during the co-composting of biosolids, deinking paper fibre and green waste. Bioresource Technology, 2009, 100, 4220-4226.	9.6	72

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163	Dissolved organic nitrogen dynamics in a Mediterranean vineyard soil. Soil Biology and Biochemistry, 2006, 38, 2265-2277.	8.8	71
164	Consequential life cycle assessment of biogas, biofuel and biomass energy options within an arable crop rotation. GCB Bioenergy, 2015, 7, 1305-1320.	5.6	70
165	Soil acidification used as a management strategy to reduce nitrate losses from agricultural land. Soil Biology and Biochemistry, 2005, 37, 867-875.	8.8	69
166	Survival of Escherichia coli O157:H7 in waters from lakes, rivers, puddles and animal-drinking troughs. Science of the Total Environment, 2008, 389, 378-385.	8.0	69
167	Determining the influence of environmental and edaphic factors on the fate of the nitrification inhibitors DCD and DMPP in soil. Science of the Total Environment, 2018, 624, 1202-1212.	8.0	69
168	Biodegradation of estrone and 17 Î²-estradiol in grassland soils amended with animal wastes. Soil Biology and Biochemistry, 2006, 38, 2803-2815.	8.8	68
169	The fate of photosynthetically‐fixed carbon in Lolium perenne grassland as modified by elevated CO 2 and sward management. New Phytologist, 2007, 173, 766-777.	7.3	68
170	Effect of Composts, Lime and Diammonium Phosphate on the Phytoavailability of Heavy Metals in a Copper Mine Tailing Soil. Pedosphere, 2009, 19, 631-641.	4.0	68
171	Increased bioavailability of metals in two contrasting agricultural soils treated with waste wood-derived biochar and ash. Environmental Science and Pollution Research, 2014, 21, 3230-3240.	5.3	68
172	Combined use of empirical data and mathematical modelling to better estimate the microbial turnover of isotopically labelled carbon substrates in soil. Soil Biology and Biochemistry, 2016, 94, 154-168.	8.8	68
173	Evaluation of mesofauna communities as soil quality indicators in a national-level monitoring programme. Soil Biology and Biochemistry, 2017, 115, 537-546.	8.8	68
174	Relationships between soil organic matter and the soil microbial biomass (size, functional diversity,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 49, 582.	1.1	67
175	Imaging the interaction of roots and phosphate fertiliser granules using 4D X-ray tomography. Plant and Soil, 2016, 401, 125-134.	3.7	67
176	Microplastics shape microbial communities affecting soil organic matter decomposition in paddy soil. Journal of Hazardous Materials, 2022, 431, 128589.	12.4	67
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