

David L Jones

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3105157/david-l-jones-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | Organic acids in the rhizosphere – a critical review 1998 , 205, 25-44 | | 1702 |
| 627 | FUNCTION AND MECHANISM OF ORGANIC ANION EXUDATION FROM PLANT ROOTS. <i>Annual Review of Plant Biology</i> , 2001 , 52, 527-560 | | 1017 |
| 626 | Carbon flow in the rhizosphere: carbon trading at the soil-root interface. <i>Plant and Soil</i> , 2009 , 321, 5-33 | 4.2 | 956 |
| 625 | Optimisation of the anaerobic digestion of agricultural resources. <i>Bioresource Technology</i> , 2008 , 99, 7928-40 | 8.1 | 953 |
| 624 | Plant and mycorrhizal regulation of rhizodeposition. <i>New Phytologist</i> , 2004 , 163, 459-480 | 9.8 | 941 |
| 623 | Experimental evaluation of methods to quantify dissolved organic nitrogen (DON) and dissolved organic carbon (DOC) in soil. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 991-999 | 7.5 | 735 |
| 622 | The role of the natural environment in the emergence of antibiotic resistance in gram-negative bacteria. <i>Lancet Infectious Diseases</i> , 2013 , 13, 155-65 | 25.5 | 673 |
| 621 | Biochar-mediated changes in soil quality and plant growth in a three year field trial. <i>Soil Biology and Biochemistry</i> , 2012 , 45, 113-124 | 7.5 | 601 |
| 620 | Role of root derived organic acids in the mobilization of nutrients from the rhizosphere. <i>Plant and Soil</i> , 1994 , 166, 247-257 | 4.2 | 485 |
| 619 | The carbon we do not see – the impact of low molecular weight compounds on carbon dynamics and respiration in forest soils: a review. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 1-13 | 7.5 | 473 |
| 618 | Dissolved organic nitrogen uptake by plants – an important N uptake pathway?. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 413-423 | 7.5 | 460 |
| 617 | Organic acid behavior in soils – misconceptions and knowledge gaps. <i>Plant and Soil</i> , 2003 , 248, 31-41 | 4.2 | 440 |
| 616 | pH regulation of carbon and nitrogen dynamics in two agricultural soils. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 898-911 | 7.5 | 419 |
| 615 | Short-term biochar-induced increase in soil CO ₂ release is both biotically and abiotically mediated. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1723-1731 | 7.5 | 376 |
| 614 | Through form to function: root hair development and nutrient uptake. <i>Trends in Plant Science</i> , 2000 , 5, 56-60 | 13.1 | 372 |
| 613 | Humic and fulvic acids as biostimulants in horticulture. <i>Scientia Horticulturae</i> , 2015 , 196, 15-27 | 4.1 | 352 |
| 612 | Role of dissolved organic nitrogen (DON) in soil N cycling in grassland soils. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 749-756 | 7.5 | 325 |

| | | | |
|-----|---|------|-----|
| 611 | Microbes as Engines of Ecosystem Function: When Does Community Structure Enhance Predictions of Ecosystem Processes?. <i>Frontiers in Microbiology</i> , 2016 , 7, 214 | 5.7 | 321 |
| 610 | HOW ROOTS CONTROL THE FLUX OF CARBON TO THE RHIZOSPHERE. <i>Ecology</i> , 2003 , 84, 827-837 | 4.6 | 317 |
| 609 | Decreased soil microbial biomass and nitrogen mineralisation with Eucalyptus biochar addition to a coarse textured soil. <i>Plant and Soil</i> , 2012 , 354, 311-324 | 4.2 | 314 |
| 608 | Life in the Rhizosphere—Does biochar in agricultural soil provide a significant habitat for microorganisms?. <i>Soil Biology and Biochemistry</i> , 2013 , 65, 287-293 | 7.5 | 287 |
| 607 | Competition for amino acids between wheat roots and rhizosphere microorganisms and the role of amino acids in plant N acquisition. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 651-657 | 7.5 | 259 |
| 606 | Simple method to enable the high resolution determination of total free amino acids in soil solutions and soil extracts. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 1893-1902 | 7.5 | 247 |
| 605 | Critical evaluation of organic acid mediated iron dissolution in the rhizosphere and its potential role in root iron uptake. <i>Plant and Soil</i> , 1996 , 180, 57-66 | 4.2 | 246 |
| 604 | Influence of sorption on the biological utilization of two simple carbon substrates. <i>Soil Biology and Biochemistry</i> , 1998 , 30, 1895-1902 | 7.5 | 237 |
| 603 | Testing the assertion that local food is best—the challenges of an evidence-based approach. <i>Trends in Food Science and Technology</i> , 2008 , 19, 265-274 | 15.3 | 237 |
| 602 | Soil amino acid turnover dominates the nitrogen flux in permafrost-dominated taiga forest soils. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 209-219 | 7.5 | 231 |
| 601 | Biochar mediated alterations in herbicide breakdown and leaching in soil. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 804-813 | 7.5 | 224 |
| 600 | Amino-acid influx at the soil-root interface of Zea mays L. and its implications in the rhizosphere. <i>Plant and Soil</i> , 1994 , 163, 1-12 | 4.2 | 213 |
| 599 | Spatial coordination of aluminium uptake, production of reactive oxygen species, callose production and wall rigidification in maize roots. <i>Plant, Cell and Environment</i> , 2006 , 29, 1309-18 | 8.4 | 205 |
| 598 | The control of carbon acquisition by roots. <i>New Phytologist</i> , 2000 , 147, 43-53 | 9.8 | 202 |
| 597 | 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 |
| 596 | Fast turnover of low molecular weight components of the dissolved organic carbon pool of temperate grassland field soils. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 827-835 | 7.5 | 188 |
| 595 | Critical review of the impacts of grazing intensity on soil organic carbon storage and other soil quality indicators in extensively managed grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 253, 62-81 | 5.7 | 181 |
| 594 | Critical evaluation of municipal solid waste composting and potential compost markets. <i>Bioresource Technology</i> , 2009 , 100, 4301-10 | 11 | 174 |

| | | | |
|-----|--|------|-----|
| 593 | Feed the crop not the soil: rethinking phosphorus management in the food chain. <i>Environmental Science & Technology</i> , 2014 , 48, 6523-30 | 10.3 | 172 |
| 592 | The Fibrobacteres: an important phylum of cellulose-degrading bacteria. <i>Microbial Ecology</i> , 2012 , 63, 267-81 | 4.4 | 171 |
| 591 | Soil microbial community patterns related to the history and intensity of grazing in sub-montane ecosystems. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 1653-1664 | 7.5 | 170 |
| 590 | Sorption of organic acids in acid soils and its implications in the rhizosphere. <i>European Journal of Soil Science</i> , 1998 , 49, 447-455 | 3.4 | 167 |
| 589 | Amino acid biodegradation and its potential effects on organic nitrogen capture by plants. <i>Soil Biology and Biochemistry</i> , 1999 , 31, 613-622 | 7.5 | 164 |
| 588 | Alterations in the cytoskeleton accompany aluminum-induced growth inhibition and morphological changes in primary roots of maize. <i>Plant Physiology</i> , 1998 , 118, 159-72 | 6.6 | 160 |
| 587 | Nutrient dynamics, microbial growth and weed emergence in biochar amended soil are influenced by time since application and reapplication rate. <i>Agriculture, Ecosystems and Environment</i> , 2012 , 158, 192-199 | 5.7 | 156 |
| 586 | A comparison of methods to determine the biodegradable dissolved organic carbon from different terrestrial sources. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 1933-1942 | 7.5 | 153 |
| 585 | Struvite: a slow-release fertiliser for sustainable phosphorus management?. <i>Plant and Soil</i> , 2016 , 401, 109-123 | 4.2 | 149 |
| 584 | Root exudate components change litter decomposition in a simulated rhizosphere depending on temperature. <i>Plant and Soil</i> , 2007 , 290, 293-305 | 4.2 | 148 |
| 583 | Contrasting effects of straw and straw-derived biochar amendments on greenhouse gas emissions within double rice cropping systems. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 188, 264-274 | 5.7 | 145 |
| 582 | Influx and efflux of organic acids across the soil-root interface of <i>Zea mays</i> L. and its implications in rhizosphere C flow. <i>Plant and Soil</i> , 1995 , 173, 103-109 | 4.2 | 140 |
| 581 | Biodegradation kinetics and sorption reactions of three differently charged amino acids in soil and their effects on plant organic nitrogen availability. <i>Soil Biology and Biochemistry</i> , 1999 , 31, 1331-1342 | 7.5 | 138 |
| 580 | Aluminum Inhibition of the Inositol 1,4,5-Trisphosphate Signal Transduction Pathway in Wheat Roots: A Role in Aluminum Toxicity?. <i>Plant Cell</i> , 1995 , 7, 1913-1922 | 11.6 | 137 |
| 579 | Low molecular weight organic acid adsorption in forest soils: effects on soil solution concentrations and biodegradation rates. <i>Soil Biology and Biochemistry</i> , 2003 , 35, 1015-1026 | 7.5 | 134 |
| 578 | Sampling root exudates [Mission impossible?]. <i>Rhizosphere</i> , 2018 , 6, 116-133 | 3.5 | 130 |
| 577 | Phosphorus saturation and pH differentially regulate the efficiency of organic acid anion-mediated P solubilization mechanisms in soil. <i>Plant and Soil</i> , 2011 , 341, 363-382 | 4.2 | 130 |
| 576 | Plant capture of free amino acids is maximized under high soil amino acid concentrations. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 179-181 | 7.5 | 130 |

| | | | |
|-----|---|------|-----|
| 575 | Organic acid mediated P mobilization in the rhizosphere and uptake by maize roots. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 703-710 | 7.5 | 130 |
| 574 | Biodegradation of low molecular weight organic acids in coniferous forest podzolic soils. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 1261-1272 | 7.5 | 130 |
| 573 | 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 |
| 572 | REVIEW: Nutrient stripping: the global disparity between food security and soil nutrient stocks. <i>Journal of Applied Ecology</i> , 2013 , 50, 851-862 | 5.8 | 128 |
| 571 | Organic acid behaviour in a calcareous soil implications for rhizosphere nutrient cycling. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 2046-2054 | 7.5 | 127 |
| 570 | Does biochar application alter heavy metal dynamics in agricultural soil?. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 184, 149-157 | 5.7 | 126 |
| 569 | Temporal dynamics of carbon partitioning and rhizodeposition in wheat. <i>Plant Physiology</i> , 2004 , 134, 706-15 | 6.6 | 126 |
| 568 | 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 |
| 567 | Vascular plant success in a warming Antarctic may be due to efficient nitrogen acquisition. <i>Nature Climate Change</i> , 2011 , 1, 50-53 | 21.4 | 123 |
| 566 | Organic acid behaviour in a calcareous soil: sorption reactions and biodegradation rates. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 2125-2133 | 7.5 | 123 |
| 565 | Decoupling of microbial glucose uptake and mineralization in soil. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 616-624 | 7.5 | 122 |
| 564 | Interactive effects of organic acids in the rhizosphere. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 449-457 | 7.5 | 121 |
| 563 | 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. <i>Plant and Soil</i> , 1996 , 182, 239-247 | 4.2 | 121 |
| 562 | Aluminum interaction with plasma membrane lipids and enzyme metal binding sites and its potential role in Al cytotoxicity. <i>FEBS Letters</i> , 1997 , 400, 51-7 | 3.8 | 119 |
| 561 | The environmental and biosecurity characteristics of livestock carcass disposal methods: A review. <i>Waste Management</i> , 2011 , 31, 767-78 | 8.6 | 115 |
| 560 | In situ mapping of nutrient uptake in the rhizosphere using nanoscale secondary ion mass spectrometry. <i>Plant Physiology</i> , 2009 , 151, 1751-7 | 6.6 | 115 |
| 559 | Recovery of soil organic matter, organic matter turnover and nitrogen cycling in a post-mining forest rehabilitation chronosequence. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 2021-2031 | 7.5 | 113 |
| 558 | A plant perspective on nitrogen cycling in the rhizosphere. <i>Functional Ecology</i> , 2019 , 33, 540-552 | 5.6 | 112 |

| | | | |
|-----|--|-----|-----|
| 557 | Protein breakdown represents a major bottleneck in nitrogen cycling in grassland soils. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 2272-2282 | 7.5 | 112 |
| 556 | Effect of aluminum on cytoplasmic Ca ²⁺ homeostasis in root hairs of <i>Arabidopsis thaliana</i> (L.). <i>Planta</i> , 1998 , 206, 378-87 | 4.7 | 112 |
| 555 | Rapid intrinsic rates of amino acid biodegradation in soils are unaffected by agricultural management strategy. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 1267-1275 | 7.5 | 109 |
| 554 | Replacing inorganic fertilizer with anaerobic digestate may maintain agricultural productivity at less environmental cost. <i>Journal of Plant Nutrition and Soil Science</i> , 2012 , 175, 840-845 | 2.3 | 107 |
| 553 | Bacterial growth and respiration responses upon rewetting dry forest soils: Impact of drought-legacy. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 477-486 | 7.5 | 105 |
| 552 | Is biochar a source or sink for polycyclic aromatic hydrocarbon (PAH) compounds in agricultural soils?. <i>GCB Bioenergy</i> , 2013 , 5, 96-103 | 5.6 | 104 |
| 551 | Comparative toxicity of nanoparticulate CuO and ZnO to soil bacterial communities. <i>PLoS ONE</i> , 2012 , 7, e34197 | 3.7 | 102 |
| 550 | Soil organic nitrogen mineralization across a global latitudinal gradient. <i>Global Biogeochemical Cycles</i> , 2009 , 23, n/a-n/a | 5.9 | 102 |
| 549 | Phytoremediation of landfill leachate. <i>Waste Management</i> , 2006 , 26, 825-37 | 8.6 | 102 |
| 548 | Clay and biochar amendments decreased inorganic but not dissolved organic nitrogen leaching in soil. <i>Soil Research</i> , 2012 , 50, 216 | 1.8 | 99 |
| 547 | Potential health risks associated with the persistence of <i>Escherichia coli</i> O157 in agricultural environments. <i>Soil Use and Management</i> , 2006 , 15, 76-83 | 3.1 | 99 |
| 546 | Soil microbial organic nitrogen uptake is regulated by carbon availability. <i>Soil Biology and Biochemistry</i> , 2014 , 77, 261-267 | 7.5 | 98 |
| 545 | Re-sorption of organic compounds by roots of <i>Zea mays</i> L. and its consequences in the rhizosphere. <i>Plant and Soil</i> , 1996 , 178, 153-160 | 4.2 | 98 |
| 544 | Remediation of metal polluted mine soil with compost: co-composting versus incorporation. <i>Environmental Pollution</i> , 2009 , 157, 690-7 | 9.3 | 97 |
| 543 | Re-sorption of organic compounds by roots of <i>Zea mays</i> L. and its consequences in the rhizosphere. <i>Plant and Soil</i> , 1993 , 153, 47-59 | 4.2 | 97 |
| 542 | Whole tree harvesting can reduce second rotation forest productivity. <i>Forest Ecology and Management</i> , 2009 , 257, 1104-1111 | 3.9 | 96 |
| 541 | Aluminum Induces a Decrease in Cytosolic Calcium Concentration in BY-2 Tobacco Cell Cultures ¹ . <i>Plant Physiology</i> , 1998 , 116, 81-89 | 6.6 | 93 |
| 540 | Acquisition and assimilation of nitrogen as peptide-bound and D-enantiomers of amino acids by wheat. <i>PLoS ONE</i> , 2011 , 6, e19220 | 3.7 | 93 |

| | | | |
|-----|--|------|----|
| 539 | High resolution synchrotron imaging of wheat root hairs growing in soil and image based modelling of phosphate uptake. <i>New Phytologist</i> , 2013 , 198, 1023-1029 | 9.8 | 90 |
| 538 | Loss of low molecular weight dissolved organic carbon (DOC) and nitrogen (DON) in H ₂ O and 0.5M K ₂ SO ₄ soil extracts. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 2331-2335 | 7.5 | 89 |
| 537 | Migration of heavy metals in soil as influenced by compost amendments. <i>Environmental Pollution</i> , 2010 , 158, 55-64 | 9.3 | 89 |
| 536 | Rice rhizodeposition and its utilization by microbial groups depends on N fertilization. <i>Biology and Fertility of Soils</i> , 2017 , 53, 37-48 | 6.1 | 88 |
| 535 | Bacterial salt tolerance is unrelated to soil salinity across an arid agroecosystem salinity gradient. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1881-1887 | 7.5 | 88 |
| 534 | Oxalate and ferricrocin exudation by the extramatrical mycelium of an ectomycorrhizal fungus in symbiosis with <i>Pinus sylvestris</i> . <i>New Phytologist</i> , 2006 , 169, 367-77 | 9.8 | 88 |
| 533 | Detecting macroecological patterns in bacterial communities across independent studies of global soils. <i>Nature Microbiology</i> , 2018 , 3, 189-196 | 26.6 | 86 |
| 532 | Turnover of low molecular weight dissolved organic C (DOC) and microbial C exhibit different temperature sensitivities in Arctic tundra soils. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 1557-1566 | 7.5 | 85 |
| 531 | Solubilization of Phosphorus by Soil Microorganisms. <i>Soil Biology</i> , 2011 , 169-198 | 1 | 84 |
| 530 | Role of proteinaceous amino acids released in root exudates in nutrient acquisition from the rhizosphere. <i>Plant and Soil</i> , 1994 , 158, 183-192 | 4.2 | 84 |
| 529 | 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 |
| 528 | Use of composts in the remediation of heavy metal contaminated soil. <i>Journal of Hazardous Materials</i> , 2010 , 175, 575-82 | 12.8 | 80 |
| 527 | Microbial response time to sugar and amino acid additions to soil. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 2178-2182 | 7.5 | 80 |
| 526 | Farmers' perceptions of climate change: identifying types. <i>Agriculture and Human Values</i> , 2016 , 33, 323-339 | | 79 |
| 525 | Investigating the long-term legacy of drought and warming on the soil microbial community across five European shrubland ecosystems. <i>Global Change Biology</i> , 2013 , 19, 3872-84 | 11.4 | 79 |
| 524 | Glucose uptake by maize roots and its transformation in the rhizosphere. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 851-860 | 7.5 | 78 |
| 523 | Dissolved organic nitrogen in contrasting agricultural ecosystems. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 1560-1563 | 7.5 | 78 |
| 522 | Amino acid, peptide and protein mineralization dynamics in a taiga forest soil. <i>Soil Biology and Biochemistry</i> , 2012 , 55, 60-69 | 7.5 | 76 |

| | | | |
|-----|--|-----|----|
| 521 | 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 |
| 520 | Kinetics of soil microbial uptake of free amino acids. <i>Biology and Fertility of Soils</i> , 2001 , 33, 67-74 | 6.1 | 75 |
| 519 | 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 |
| 518 | Re-sorption of organic components by roots of <i>Zea mays</i> L. and its consequences in the rhizosphere. <i>Plant and Soil</i> , 1992 , 143, 259-266 | 4.2 | 74 |
| 517 | 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 |
| 516 | Effects of biochar amendment on the net greenhouse gas emission and greenhouse gas intensity in a Chinese double rice cropping system. <i>European Journal of Soil Biology</i> , 2014 , 65, 30-39 | 2.9 | 73 |
| 515 | A novel biologically-based approach to evaluating soil phosphorus availability across complex landscapes. <i>Soil Biology and Biochemistry</i> , 2015 , 88, 110-119 | 7.5 | 73 |
| 514 | Critical evaluation of methods for determining total protein in soil solution. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 1485-1495 | 7.5 | 73 |
| 513 | 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 |
| 512 | Biochar application reduces nodulation but increases nitrogenase activity in clover. <i>Plant and Soil</i> , 2013 , 366, 83-92 | 4.2 | 72 |
| 511 | Selecting statistical models and variable combinations for optimal classification using otolith microchemistry 2011 , 21, 1352-64 | | 72 |
| 510 | Vulnerability of exporting nations to the development of a carbon label in the United Kingdom. <i>Environmental Science and Policy</i> , 2009 , 12, 479-490 | 6.2 | 72 |
| 509 | Modelling the rhizosphere: a review of methods for Upscaling to the whole-plant scale. <i>European Journal of Soil Science</i> , 2006 , 57, 13-25 | 3.4 | 72 |
| 508 | Seasonal variation in soluble soil carbon and nitrogen across a grassland productivity gradient. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 835-844 | 7.5 | 71 |
| 507 | Persistence of <i>Escherichia coli</i> O157 on farm surfaces under different environmental conditions. <i>Journal of Applied Microbiology</i> , 2005 , 98, 1075-83 | 4.7 | 70 |
| 506 | Role of calcium and other ions in directing root hair tip growth in <i>Limnobium stoloniferum</i> . <i>Planta</i> , 1995 , 197, 672 | 4.7 | 70 |
| 505 | Oligopeptides Represent a Preferred Source of Organic N Uptake: A Global Phenomenon?. <i>Ecosystems</i> , 2013 , 16, 133-145 | 3.9 | 69 |
| 504 | Survival of <i>E. coli</i> O157:H7 in organic wastes destined for land application. <i>Journal of Applied Microbiology</i> , 2005 , 98, 814-22 | 4.7 | 68 |

| | | | |
|-----|---|------|----|
| 503 | Real-time PCR and microscopy: are the two methods measuring the same unit of arbuscular mycorrhizal fungal abundance?. <i>Fungal Genetics and Biology</i> , 2008 , 45, 581-96 | 3.9 | 67 |
| 502 | Moss-cyanobacteria associations as biogenic sources of nitrogen in boreal forest ecosystems. <i>Frontiers in Microbiology</i> , 2013 , 4, 150 | 5.7 | 66 |
| 501 | Soil microbial biomass Interpretation and consideration for soil monitoring. <i>Soil Research</i> , 2011 , 49, 287 | 1.8 | 66 |
| 500 | The fate of photosynthetically-fixed carbon in Lolium perenne grassland as modified by elevated CO2 and sward management. <i>New Phytologist</i> , 2007 , 173, 766-777 | 9.8 | 65 |
| 499 | Stability and dynamics of enzyme activity patterns in the rice rhizosphere: Effects of plant growth and temperature. <i>Soil Biology and Biochemistry</i> , 2017 , 113, 108-115 | 7.5 | 64 |
| 498 | Heavy metal fractionation during the co-composting of biosolids, deinking paper fibre and green waste. <i>Bioresource Technology</i> , 2009 , 100, 4220-6 | 11 | 64 |
| 497 | Organic nitrogen mineralisation in two contrasting agro-ecosystems is unchanged by biochar addition. <i>Soil Biology and Biochemistry</i> , 2012 , 48, 47-50 | 7.5 | 63 |
| 496 | Effect of the earthworms Lumbricus terrestris and Aporectodea caliginosa on bacterial diversity in soil. <i>Microbial Ecology</i> , 2010 , 59, 574-87 | 4.4 | 63 |
| 495 | Competition between plant and bacterial cells at the microscale regulates the dynamics of nitrogen acquisition in wheat (Triticum aestivum). <i>New Phytologist</i> , 2013 , 200, 796-807 | 9.8 | 62 |
| 494 | Dissolved organic nitrogen dynamics in a Mediterranean vineyard soil. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2265-2277 | 7.5 | 62 |
| 493 | A stable bioluminescent construct of Escherichia coli O157:H7 for hazard assessments of long-term survival in the environment. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 3359-67 | 4.8 | 62 |
| 492 | Abundance and Distribution of Enteric Bacteria and Viruses in Coastal and Estuarine Sediments-a Review. <i>Frontiers in Microbiology</i> , 2016 , 7, 1692 | 5.7 | 61 |
| 491 | Carbon sequestration and biogeochemical cycling in a saltmarsh subject to coastal managed realignment. <i>Estuarine, Coastal and Shelf Science</i> , 2013 , 120, 12-20 | 2.9 | 60 |
| 490 | Can macrophyte harvesting from eutrophic water close the loop on nutrient loss from agricultural land?. <i>Journal of Environmental Management</i> , 2015 , 152, 210-7 | 7.9 | 59 |
| 489 | Response of soil microbial community to afforestation with pure and mixed species. <i>Plant and Soil</i> , 2017 , 412, 357-368 | 4.2 | 59 |
| 488 | Fungal and bacterial growth following the application of slurry and anaerobic digestate of livestock manure to temperate pasture soils. <i>Biology and Fertility of Soils</i> , 2012 , 48, 889-897 | 6.1 | 59 |
| 487 | Free amino sugar reactions in soil in relation to soil carbon and nitrogen cycling. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 3081-3092 | 7.5 | 59 |
| 486 | Survival of Escherichia coli O157:H7 in waters from lakes, rivers, puddles and animal-drinking troughs. <i>Science of the Total Environment</i> , 2008 , 389, 378-85 | 10.2 | 58 |

| | | | |
|-----|---|-----|----|
| 485 | 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. <i>Environmental and Experimental Botany</i> , 2009 , 66, 357-361 | 5.9 | 57 |
| 484 | Biodegradation of estrone and 17 β -estradiol in grassland soils amended with animal wastes. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2803-2815 | 7.5 | 57 |
| 483 | Increased bioavailability of metals in two contrasting agricultural soils treated with waste wood-derived biochar and ash. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3230-40 | 5.1 | 56 |
| 482 | Consequential life cycle assessment of biogas, biofuel and biomass energy options within an arable crop rotation. <i>GCB Bioenergy</i> , 2015 , 7, 1305-1320 | 5.6 | 56 |
| 481 | Heavy metal contamination of a mixed waste compost: metal speciation and fate. <i>Bioresource Technology</i> , 2009 , 100, 4423-32 | 11 | 56 |
| 480 | Effect of Composts, Lime and Diammonium Phosphate on the Phytoavailability of Heavy Metals in a Copper Mine Tailing Soil. <i>Pedosphere</i> , 2009 , 19, 631-641 | 5 | 56 |
| 479 | Aluminium-organic acid interactions in acid soils. <i>Plant and Soil</i> , 1996 , 182, 221-228 | 4.2 | 56 |
| 478 | Bigger may be better in soil N cycling: Does rapid acquisition of small l-peptides by soil microbes dominate fluxes of protein-derived N in soil?. <i>Soil Biology and Biochemistry</i> , 2012 , 48, 106-112 | 7.5 | 55 |
| 477 | Influx and efflux of amino acids from Zea mays L. roots and their implications for N nutrition and the rhizosphere. <i>Plant and Soil</i> , 1993 , 155-156, 87-90 | 4.2 | 55 |
| 476 | Critical Review on the Public Health Impact of Norovirus Contamination in Shellfish and the Environment: A UK Perspective. <i>Food and Environmental Virology</i> , 2017 , 9, 123-141 | 4 | 54 |
| 475 | Cattle grazing drives nitrogen and carbon cycling in a temperate salt marsh. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 531-541 | 7.5 | 54 |
| 474 | 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 |
| 473 | Food waste composting: its use as a peat replacement. <i>Waste Management</i> , 2010 , 30, 1495-501 | 8.6 | 53 |
| 472 | Mineralization of low molecular weight carbon substrates in soil solution under laboratory and field conditions. <i>Soil Biology and Biochemistry</i> , 2012 , 48, 88-95 | 7.5 | 52 |
| 471 | Relationships between soil organic matter and the soil microbial biomass (size, functional diversity, and community structure) in crop and pasture systems in a semi-arid environment. <i>Soil Research</i> , 2011 , 49, 582 | 1.8 | 52 |
| 470 | Development of Microbial Diversity and Functional Potential in Bauxite Residue Sand under Rehabilitation. <i>Restoration Ecology</i> , 2011 , 19, 78-87 | 3.1 | 52 |
| 469 | Sorption regulates the fate of the amino acids lysine and leucine in soil aggregates. <i>European Journal of Soil Science</i> , 2006 , 57, 320-329 | 3.4 | 52 |
| 468 | Impact of ectomycorrhizas on the concentration and biodegradation of simple organic acids in a forest soil. <i>European Journal of Soil Science</i> , 2003 , 54, 697-706 | 3.4 | 52 |

| | | | |
|-----|--|------|----|
| 467 | Organic acid concentrations in soil solution: effects of young coniferous trees and ectomycorrhizal fungi. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 771-776 | 7.5 | 52 |
| 466 | 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 |
| 465 | Rapid peptide metabolism: A major component of soil nitrogen cycling?. <i>Global Biogeochemical Cycles</i> , 2011 , 25, n/a-n/a | 5.9 | 51 |
| 464 | Soil acidification used as a management strategy to reduce nitrate losses from agricultural land. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 867-875 | 7.5 | 51 |
| 463 | The microplastisphere: Biodegradable microplastics addition alters soil microbial community structure and function. <i>Soil Biology and Biochemistry</i> , 2021 , 156, 108211 | 7.5 | 51 |
| 462 | Involvement of multiple aluminium exclusion mechanisms in aluminium tolerance in wheat. <i>Plant and Soil</i> , 1997 , 192, 63-68 | 4.2 | 50 |
| 461 | Differential mobilization of P in the maize rhizosphere by citric acid and potassium citrate. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 683-692 | 7.5 | 50 |
| 460 | Dissolved organic nitrogen regulation in freshwaters. <i>Journal of Environmental Quality</i> , 2004 , 33, 201-9 | 3.4 | 50 |
| 459 | Escherichia coli O157 survival following the surface and sub-surface application of human pathogen contaminated organic waste to soil. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 2101-2103 | 7.5 | 50 |
| 458 | Bioremediation of Poly-Aromatic Hydrocarbon (PAH)-Contaminated Soil by Composting. <i>Critical Reviews in Environmental Science and Technology</i> , 2009 , 39, 271-332 | 11.1 | 49 |
| 457 | Sediment composition influences spatial variation in the abundance of human pathogen indicator bacteria within an estuarine environment. <i>PLoS ONE</i> , 2014 , 9, e112951 | 3.7 | 48 |
| 456 | Modelling low molecular weight organic acid dynamics in forest soils. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 517-531 | 7.5 | 48 |
| 455 | Imaging the interaction of roots and phosphate fertiliser granules using 4D X-ray tomography. <i>Plant and Soil</i> , 2016 , 401, 125-134 | 4.2 | 47 |
| 454 | Combined use of empirical data and mathematical modelling to better estimate the microbial turnover of isotopically labelled carbon substrates in soil. <i>Soil Biology and Biochemistry</i> , 2016 , 94, 154-168 | 7.5 | 47 |
| 453 | Stoichiometric controls upon low molecular weight carbon decomposition. <i>Soil Biology and Biochemistry</i> , 2014 , 79, 50-56 | 7.5 | 47 |
| 452 | N ₂ Fixation in Feather Mosses is a Sensitive Indicator of N Deposition in Boreal Forests. <i>Ecosystems</i> , 2012 , 15, 986-998 | 3.9 | 47 |
| 451 | Enhanced zinc uptake by rice through phytosiderophore secretion: a modelling study. <i>Plant, Cell and Environment</i> , 2011 , 34, 2038-46 | 8.4 | 47 |
| 450 | A dual porosity model of nutrient uptake by root hairs. <i>New Phytologist</i> , 2011 , 192, 676-88 | 9.8 | 47 |

| | | | |
|-----|---|------|----|
| 449 | Viral indicators for tracking domestic wastewater contamination in the aquatic environment. <i>Water Research</i> , 2020 , 181, 115926 | 12.5 | 46 |
| 448 | The mobility of nitrification inhibitors under simulated ruminant urine deposition and rainfall: a comparison between DCD and DMPP. <i>Biology and Fertility of Soils</i> , 2016 , 52, 491-503 | 6.1 | 46 |
| 447 | Microbial diversity and activity are increased by compost amendment of metal-contaminated soil. <i>FEMS Microbiology Ecology</i> , 2010 , 71, 94-105 | 4.3 | 46 |
| 446 | FT-IR as an alternative method for measuring chemical properties during composting. <i>Bioresource Technology</i> , 2010 , 101, 5431-6 | 11 | 46 |
| 445 | 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 |
| 444 | Root exudate carbon mitigates nitrogen loss in a semi-arid soil. <i>Soil Biology and Biochemistry</i> , 2015 , 88, 380-389 | 7.5 | 45 |
| 443 | 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 |
| 442 | Auxin secretion by <i>Bacillus amyloliquefaciens</i> FZB42 both stimulates root exudation and limits phosphorus uptake in <i>Triticum aestivium</i> . <i>BMC Plant Biology</i> , 2014 , 14, 51 | 5.3 | 45 |
| 441 | Temperature adaptation of bacterial growth and ¹⁴ C-glucose mineralisation in a laboratory study. <i>Soil Biology and Biochemistry</i> , 2013 , 65, 294-303 | 7.5 | 45 |
| 440 | The interaction of human microbial pathogens, particulate material and nutrients in estuarine environments and their impacts on recreational and shellfish waters. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 2145-55 | 4.3 | 44 |
| 439 | Grazing management in saltmarsh ecosystems drives invertebrate diversity, abundance and functional group structure. <i>Insect Conservation and Diversity</i> , 2013 , 6, 189-200 | 3.8 | 44 |
| 438 | Metal contaminated biochar and wood ash negatively affect plant growth and soil quality after land application. <i>Journal of Hazardous Materials</i> , 2014 , 276, 362-70 | 12.8 | 43 |
| 437 | Evaluating the growth characteristics of lettuce in vermicompost and green waste compost. <i>European Journal of Soil Biology</i> , 2007 , 43, S316-S319 | 2.9 | 43 |
| 436 | Integration of biochar with animal manure and nitrogen for improving maize yields and soil properties in calcareous semi-arid agroecosystems. <i>Field Crops Research</i> , 2016 , 195, 28-35 | 5.5 | 42 |
| 435 | Emerging Definitions of Boutique and Lifestyle Hotels: A Delphi Study. <i>Journal of Travel and Tourism Marketing</i> , 2013 , 30, 715-731 | 6.6 | 42 |
| 434 | Priming of the decomposition of ageing soil organic matter: concentration dependence and microbial control. <i>Functional Ecology</i> , 2015 , 29, 285-296 | 5.6 | 42 |
| 433 | Impacts of grazing abandonment on ecosystem service provision: Coastal grassland as a model system. <i>Agriculture, Ecosystems and Environment</i> , 2012 , 162, 108-115 | 5.7 | 42 |
| 432 | Earthworms as vectors of <i>Escherichia coli</i> O157:H7 in soil and vermicomposts. <i>FEMS Microbiology Ecology</i> , 2006 , 58, 54-64 | 4.3 | 42 |

| | | | |
|-----|---|------|----|
| 431 | Model and field studies of the degradation of cross-linked polyacrylamide gels used during the revegetation of slate waste. <i>Science of the Total Environment</i> , 2005 , 336, 13-24 | 10.2 | 42 |
| 430 | Aluminum Inhibition of the Inositol 1,4,5-Trisphosphate Signal Transduction Pathway in Wheat Roots: A Role in Aluminum Toxicity?. <i>Plant Cell</i> , 1995 , 7, 1913 | 11.6 | 42 |
| 429 | Lettuce cultivar mediates both phyllosphere and rhizosphere activity of Escherichia coli O157:H7. <i>PLoS ONE</i> , 2012 , 7, e33842 | 3.7 | 41 |
| 428 | Rice rhizodeposition and carbon stabilisation in paddy soil are regulated via drying-rewetting cycles and nitrogen fertilisation. <i>Biology and Fertility of Soils</i> , 2017 , 53, 407-417 | 6.1 | 40 |
| 427 | Informing decision making in agricultural greenhouse gas mitigation policy: A Best/Worst Scaling survey of expert and farmer opinion in the sheep industry. <i>Environmental Science and Policy</i> , 2013 , 29, 46-56 | 6.2 | 40 |
| 426 | Microbial biomass, activity, and community structure in horticultural soils under conventional and organic management strategies. <i>European Journal of Soil Biology</i> , 2013 , 58, 122-128 | 2.9 | 40 |
| 425 | Dynamics of simple carbon compounds in two forest soils as revealed by soil solution concentrations and biodegradation kinetics. <i>Plant and Soil</i> , 2008 , 310, 11-23 | 4.2 | 40 |
| 424 | Transient biochar effects on decomposer microbial growth rates: evidence from two agricultural case-studies. <i>European Journal of Soil Science</i> , 2013 , 64, 770-776 | 3.4 | 39 |
| 423 | The carbon footprint of lamb: Sources of variation and opportunities for mitigation. <i>Agricultural Systems</i> , 2014 , 123, 97-107 | 6.1 | 38 |
| 422 | Microbial and plant uptake of free amino sugars in grassland soils. <i>Soil Biology and Biochemistry</i> , 2012 , 49, 139-149 | 7.5 | 38 |
| 421 | Control of amino acid mineralization and microbial metabolism by temperature. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 1137-1140 | 7.5 | 38 |
| 420 | Mineralization of Amino Acids Applied to Soils Impact of Soil Sieving, Storage, and Inorganic Nitrogen Additions. <i>Soil Science Society of America Journal</i> , 1999 , 63, 1199-1206 | 2.5 | 38 |
| 419 | Connectivity through ontogeny: fish population linkages among mangrove and coral reef habitats. <i>Marine Ecology - Progress Series</i> , 2010 , 401, 245-258 | 2.6 | 38 |
| 418 | Is the fate of glucose-derived carbon more strongly driven by nutrient availability, soil texture, or microbial biomass size?. <i>Soil Biology and Biochemistry</i> , 2016 , 103, 201-212 | 7.5 | 38 |
| 417 | 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 |
| 416 | Feather moss nitrogen acquisition across natural fertility gradients in boreal forests. <i>Soil Biology and Biochemistry</i> , 2013 , 61, 86-95 | 7.5 | 37 |
| 415 | Vegetation cover regulates the quantity, quality and temporal dynamics of dissolved organic carbon and nitrogen in Antarctic soils. <i>Polar Biology</i> , 2009 , 32, 999-1008 | 2 | 37 |
| 414 | Microbial uptake and utilization of low molecular weight organic substrates in soil depend on carbon oxidation state. <i>Biogeochemistry</i> , 2017 , 133, 89-100 | 3.8 | 36 |

| | | | |
|-----|--|------|----|
| 413 | Soil textural heterogeneity impacts bacterial but not fungal diversity. <i>Soil Biology and Biochemistry</i> , 2020 , 144, 107766 | 7.5 | 36 |
| 412 | Assessing biochar ecotoxicology for soil amendment by root phytotoxicity bioassays. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 166 | 3.1 | 36 |
| 411 | Viromic Analysis of Wastewater Input to a River Catchment Reveals a Diverse Assemblage of RNA Viruses. <i>MSystems</i> , 2018 , 3, | 7.6 | 36 |
| 410 | Aluminium effects on organic acid mineralization in a Norway spruce forest soil. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 1259-1267 | 7.5 | 36 |
| 409 | Experimental evidence for drought induced alternative stable states of soil moisture. <i>Scientific Reports</i> , 2016 , 6, 20018 | 4.9 | 36 |
| 408 | Interaction of straw amendment and soil NO ₃ ⁻ content controls fungal denitrification and denitrification product stoichiometry in a sandy soil. <i>Soil Biology and Biochemistry</i> , 2018 , 126, 204-212 | 7.5 | 36 |
| 407 | Evaluation of mesofauna communities as soil quality indicators in a national-level monitoring programme. <i>Soil Biology and Biochemistry</i> , 2017 , 115, 537-546 | 7.5 | 35 |
| 406 | Determining the influence of environmental and edaphic factors on the fate of the nitrification inhibitors DCD and DMPP in soil. <i>Science of the Total Environment</i> , 2018 , 624, 1202-1212 | 10.2 | 35 |
| 405 | Sustainable nutrient management at field, farm and regional level: Soil testing, nutrient budgets and the trade-off between lime application and greenhouse gas emissions. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 188, 48-56 | 5.7 | 35 |
| 404 | Biochar stimulates the decomposition of simple organic matter and suppresses the decomposition of complex organic matter in a sandy loam soil. <i>GCB Bioenergy</i> , 2017 , 9, 1110-1121 | 5.6 | 35 |
| 403 | Substrate mineralization studies in the laboratory show different microbial C partitioning dynamics than in the field. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1951-1956 | 7.5 | 35 |
| 402 | Lack of correlation between turnover of low-molecular-weight dissolved organic carbon and differences in microbial community composition or growth across a soil pH gradient. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 2791-5 | 4.8 | 35 |
| 401 | Organic acids differ in enhancing phosphorus uptake by <i>Triticum aestivum</i> L. Effects of rhizosphere concentration and counterion. <i>Plant and Soil</i> , 2010 , 334, 151-159 | 4.2 | 35 |
| 400 | Phosphatase activity does not limit the microbial use of low molecular weight organic-P substrates in soil. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1213-1217 | 7.5 | 35 |
| 399 | Behaviour of the endocrine disrupting chemical nonylphenol in soil: Assessing the risk associated with spreading contaminated waste to land. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 1812-1822 | 7.5 | 35 |
| 398 | Aluminium-organic acid interactions in acid soils. <i>Plant and Soil</i> , 1996 , 182, 229-237 | 4.2 | 35 |
| 397 | Grazing effects on microbial community composition, growth and nutrient cycling in salt marsh and sand dune grasslands. <i>Biology and Fertility of Soils</i> , 2013 , 49, 89-98 | 6.1 | 34 |
| 396 | Evaluation of polysulfone hollow fibres and ceramic suction samplers as devices for the in situ extraction of soil solution. <i>Plant and Soil</i> , 1993 , 150, 157-165 | 4.2 | 34 |

| | | | |
|-----|--|------|----|
| 395 | Role of substrate supply on microbial carbon use efficiency and its role in interpreting soil microbial community-level physiological profiles (CLPP). <i>Soil Biology and Biochemistry</i> , 2018 , 123, 1-6 | 7.5 | 34 |
| 394 | 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 |
| 393 | Spatial patterns and environmental constraints on ecosystem services at a catchment scale. <i>Science of the Total Environment</i> , 2016 , 572, 1586-1600 | 10.2 | 33 |
| 392 | Nano-Sized and Filterable Bacteria and Archaea: Biodiversity and Function. <i>Frontiers in Microbiology</i> , 2018 , 9, 1971 | 5.7 | 33 |
| 391 | Methane, carbon dioxide and nitrous oxide fluxes from a temperate salt marsh: Grazing management does not alter Global Warming Potential. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 182-191 | 2.9 | 33 |
| 390 | Grassland plants affect dissolved organic carbon and nitrogen dynamics in soil. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 378-381 | 7.5 | 33 |
| 389 | Efficacy of continuous positive airway pressure for treatment of hypernasality. <i>Cleft Palate-Craniofacial Journal</i> , 2002 , 39, 267-76 | 1.9 | 33 |
| 388 | Initial tree establishment on blocky quarry waste ameliorated with hydrogel or slate processing fines. <i>Journal of Environmental Quality</i> , 2005 , 34, 994-1003 | 3.4 | 33 |
| 387 | How changing root system architecture can help tackle a reduction in soil phosphate (P) levels for better plant P acquisition. <i>Plant, Cell and Environment</i> , 2015 , 38, 118-28 | 8.4 | 32 |
| 386 | Transformations in DOC along a source to sea continuum; impacts of photo-degradation, biological processes and mixing. <i>Aquatic Sciences</i> , 2016 , 78, 433-446 | 2.5 | 32 |
| 385 | Rapid microbial uptake and mineralization of amino acids and peptides along a grassland productivity gradient. <i>Soil Biology and Biochemistry</i> , 2014 , 72, 75-83 | 7.5 | 32 |
| 384 | Adsorption and desorption dynamics of citric acid anions in soil. <i>European Journal of Soil Science</i> , 2011 , 62, 733-742 | 3.4 | 32 |
| 383 | Organic Amendments for Remediation: Putting Waste to Good Use. <i>Elements</i> , 2010 , 6, 369-374 | 3.8 | 32 |
| 382 | Mobilization of aluminium, iron and silicon by <i>Picea abies</i> and ectomycorrhizas in a forest soil. <i>European Journal of Soil Science</i> , 2004 , 55, 101-112 | 3.4 | 32 |
| 381 | 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 |
| 380 | Fertilizer regime changes the competitive uptake of organic nitrogen by wheat and soil microorganisms: An in-situ uptake test using ¹³ C, ¹⁵ N labelling, and ¹³ C-PLFA analysis. <i>Soil Biology and Biochemistry</i> , 2018 , 125, 319-327 | 7.5 | 31 |
| 379 | Using a Validation Process to Develop Market Segmentation Based on Travel Motivation for Major Metropolitan Areas. <i>Journal of Travel and Tourism Marketing</i> , 2009 , 26, 60-79 | 6.6 | 31 |
| 378 | Chemical and organic immobilization treatments for reducing phytoavailability of heavy metals in copper-mine tailings. <i>Journal of Plant Nutrition and Soil Science</i> , 2008 , 171, 908-916 | 2.3 | 31 |

| | | | |
|-----|---|------|----|
| 377 | Cytological and enzymatic responses to aluminium stress in root tips of Norway spruce seedlings. <i>New Phytologist</i> , 2004 , 163, 595-607 | 9.8 | 31 |
| 376 | 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 |
| 375 | How significant to plant N nutrition is the direct consumption of soil microbes by roots?. <i>New Phytologist</i> , 2013 , 199, 948-955 | 9.8 | 30 |
| 374 | 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 |
| 373 | 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 |
| 372 | The Contribution of Local Cuisine to Destination Attractiveness: An Analysis Involving Chinese Tourists' Heterogeneous Preferences. <i>Asia Pacific Journal of Tourism Research</i> , 2015 , 20, 416-434 | 2.9 | 29 |
| 371 | Use of untargeted metabolomics for assessing soil quality and microbial function. <i>Soil Biology and Biochemistry</i> , 2020 , 143, 107758 | 7.5 | 29 |
| 370 | Soil- and enantiomer-specific metabolism of amino acids and their peptides by Antarctic soil microorganisms. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 2410-2416 | 7.5 | 29 |
| 369 | Regulation of amino acid biodegradation in soil as affected by depth. <i>Biology and Fertility of Soils</i> , 2008 , 44, 933-941 | 6.1 | 29 |
| 368 | Overriding water table control on managed peatland greenhouse gas emissions. <i>Nature</i> , 2021 , 593, 548-554 | 5.4 | 29 |
| 367 | Critical comparison of the impact of biochar and wood ash on soil organic matter cycling and grassland productivity. <i>Soil Biology and Biochemistry</i> , 2017 , 110, 134-142 | 7.5 | 28 |
| 366 | 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 |
| 365 | Amino acid dynamics across a grassland altitudinal gradient. <i>Soil Biology and Biochemistry</i> , 2014 , 76, 179-182 | 7.82 | 28 |
| 364 | Phosphate depletion modulates auxin transport in <i>Triticum aestivum</i> leading to altered root branching. <i>Journal of Experimental Botany</i> , 2014 , 65, 5023-32 | 7 | 28 |
| 363 | Evaluating effects of land management on greenhouse gas fluxes and carbon balances in boreo-temperate lowland peatland systems. <i>Environmental Evidence</i> , 2014 , 3, 5 | 3.3 | 28 |
| 362 | Unearthing human pathogens at the agricultural-environment interface: A review of current methods for the detection of <i>Escherichia coli</i> O157 in freshwater ecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2011 , 140, 354-360 | 5.7 | 28 |
| 361 | Geographical variation in carbon dioxide fluxes from soils in agro-ecosystems and its implications for life-cycle assessment. <i>Journal of Applied Ecology</i> , 2009 , 46, 306-314 | 5.8 | 28 |
| 360 | Potential pitfalls in the quantitative molecular detection of <i>Escherichia coli</i> O157:H7 in environmental matrices. <i>Canadian Journal of Microbiology</i> , 2006 , 52, 482-8 | 3.2 | 28 |

| | | | |
|-----|--|------|----|
| 359 | Influence of coastal eddies and counter-currents on the influx of spiny lobster, <i>Panulirus argus</i> , postlarvae into Florida Bay. <i>Marine and Freshwater Research</i> , 2001 , 52, 1217 | 2.2 | 28 |
| 358 | 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 |
| 357 | Estimation of diffuse attenuation of ultraviolet light in optically shallow Florida Keys waters from MODIS measurements. <i>Remote Sensing of Environment</i> , 2014 , 140, 519-532 | 13.2 | 27 |
| 356 | Evaluation of dissolved organic carbon as a soil quality indicator in national monitoring schemes. <i>PLoS ONE</i> , 2014 , 9, e90882 | 3.7 | 27 |
| 355 | Discrete functional pools of soil organic matter in a UK grassland soil are differentially affected by temperature and priming. <i>Soil Biology and Biochemistry</i> , 2012 , 49, 52-60 | 7.5 | 26 |
| 354 | Citrate adsorption can decrease soluble phosphate concentration in soils: Results of theoretical modeling. <i>Applied Geochemistry</i> , 2013 , 35, 120-131 | 3.5 | 26 |
| 353 | Urine enhances the leaching and persistence of estrogens in soils. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 236-242 | 7.5 | 26 |
| 352 | Spatial variation of waterborne <i>Escherichia coli</i> - implications for routine water quality monitoring. <i>Journal of Water and Health</i> , 2011 , 9, 734-7 | 2.2 | 26 |
| 351 | Application of nanoscale secondary ion mass spectrometry to plant cell research. <i>Plant Signaling and Behavior</i> , 2010 , 5, 760-2 | 2.5 | 26 |
| 350 | Fungal root endophytes of the carnivorous plant <i>Drosera rotundifolia</i> . <i>Mycorrhiza</i> , 2010 , 20, 341-8 | 3.9 | 26 |
| 349 | 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 |
| 348 | Tree species identity influences the vertical distribution of labile and recalcitrant carbon in a temperate deciduous forest soil. <i>Forest Ecology and Management</i> , 2016 , 359, 352-360 | 3.9 | 25 |
| 347 | Mineralisation and sorption of dissolved organic nitrogen compounds in litter and soil from sugarcane fields. <i>Soil Biology and Biochemistry</i> , 2016 , 103, 522-532 | 7.5 | 25 |
| 346 | Decay rates of faecal indicator bacteria from sewage and ovine faeces in brackish and freshwater microcosms with contrasting suspended particulate matter concentrations. <i>Science of the Total Environment</i> , 2016 , 572, 1645-1652 | 10.2 | 25 |
| 345 | Exposure to nitrogen does not eliminate N ₂ fixation in the feather moss <i>Pleurozium schreberi</i> (Brid.) Mitt.. <i>Plant and Soil</i> , 2014 , 374, 513-521 | 4.2 | 25 |
| 344 | 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 |
| 343 | A systematic review of the effectiveness of liming to mitigate impacts of river acidification on fish and macro-invertebrates. <i>Environmental Pollution</i> , 2013 , 179, 285-93 | 9.3 | 24 |
| 342 | Antibacterial action of chitosan-arginine against <i>Escherichia coli</i> O157 in chicken juice. <i>Food Control</i> , 2012 , 26, 206-211 | 6.2 | 24 |

| | | | |
|-----|---|------|----|
| 341 | Evaluation of near infrared spectroscopy and software sensor methods for determination of total alkalinity in anaerobic digesters. <i>Bioresource Technology</i> , 2011 , 102, 4083-90 | 11 | 24 |
| 340 | Is the Enzyme latch or Iron gate the key to protecting soil organic carbon in peatlands?. <i>Geoderma</i> , 2019 , 349, 107-113 | 6.7 | 23 |
| 339 | Survival of Escherichia coli O157:H7 in the rhizosphere of maize grown in waste-amended soil. <i>Journal of Applied Microbiology</i> , 2007 , 102, 319-26 | 4.7 | 23 |
| 338 | Persistence, dissipation, and activity of Escherichia coli O157:H7 within sand and seawater environments. <i>FEMS Microbiology Ecology</i> , 2007 , 60, 24-32 | 4.3 | 23 |
| 337 | 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 |
| 336 | Quantifying the contribution of riparian soils to the provision of ecosystem services. <i>Science of the Total Environment</i> , 2018 , 624, 807-819 | 10.2 | 22 |
| 335 | Characterising the within-field scale spatial variation of nitrogen in a grassland soil to inform the efficient design of in-situ nitrogen sensor networks for precision agriculture. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 230, 294-306 | 5.7 | 22 |
| 334 | 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 |
| 333 | Temperature and water controls on vegetation emergence, microbial dynamics, and soil carbon and nitrogen fluxes in a high Arctic tundra ecosystem. <i>Functional Ecology</i> , 2012 , 26, 1366-1380 | 5.6 | 22 |
| 332 | Enhanced nitrogen deposition exacerbates the negative effect of increasing background ozone in <i>Dactylis glomerata</i> , but not <i>Ranunculus acris</i> . <i>Environmental Pollution</i> , 2011 , 159, 2493-9 | 9.3 | 22 |
| 331 | Modelling nutrient uptake by individual hyphae of arbuscular mycorrhizal fungi: temporal and spatial scales for an experimental design. <i>Bulletin of Mathematical Biology</i> , 2011 , 73, 2175-200 | 2.1 | 22 |
| 330 | Dynamics of Nitrogen Speciation in Horticultural Soils in Suburbs of Shanghai, China. <i>Pedosphere</i> , 2010 , 20, 261-272 | 5 | 22 |
| 329 | Assessing the addition of mineral processing waste to green waste-derived compost: an agronomic, environmental and economic appraisal. <i>Bioresource Technology</i> , 2009 , 100, 770-7 | 11 | 22 |
| 328 | Carbon and Nitrogen Dynamics in an Oxisol as Affected by Liming and Crop Residues under No-Till. <i>Soil Science Society of America Journal</i> , 2011 , 75, 1723-1730 | 2.5 | 22 |
| 327 | Plant acquisition and metabolism of the synthetic nitrification inhibitor dicyandiamide and naturally-occurring guanidine from agricultural soils. <i>Plant and Soil</i> , 2015 , 395, 201-214 | 4.2 | 21 |
| 326 | 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 |
| 325 | Micromorphological studies of surface densified wood. <i>Journal of Materials Science</i> , 2014 , 49, 2027-2034 | 4.3 | 21 |
| 324 | Bed and Breakfast Lodging Development in Mainland China: Who is the Potential Customer?. <i>Asia Pacific Journal of Tourism Research</i> , 2011 , 16, 517-536 | 2.9 | 21 |

| | | | |
|-----|--|------|----|
| 323 | Composition of organic solutes and respiration in soils derived from alkaline and non-alkaline parent materials. <i>Geoderma</i> , 2008 , 144, 468-477 | 6.7 | 21 |
| 322 | Biodegradation of Low Molecular Weight Organic Acids in a Limed Forest Soil. <i>Water, Air and Soil Pollution</i> , 2003 , 3, 121-144 | | 21 |
| 321 | Trivalent metal (Cr, Y, Rh, La, Pr, Gd) sorption in two acid soils and its consequences for bioremediation. <i>European Journal of Soil Science</i> , 1997 , 48, 697-702 | 3.4 | 21 |
| 320 | 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 |
| 319 | Improving livestock production efficiencies presents a major opportunity to reduce sectoral greenhouse gas emissions. <i>Agricultural Systems</i> , 2016 , 147, 123-131 | 6.1 | 20 |
| 318 | Microbial activity differentially regulates the vertical mobility of nitrogen compounds in soil. <i>Soil Biology and Biochemistry</i> , 2012 , 53, 120-123 | 7.5 | 20 |
| 317 | Effect of moisture content and preparation technique on the composition of soil solution obtained by centrifugation. <i>Communications in Soil Science and Plant Analysis</i> , 1993 , 24, 171-186 | 1.5 | 20 |
| 316 | Greenhouse gas emissions from intensively managed peat soils in an arable production system. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 237, 162-172 | 5.7 | 19 |
| 315 | Differential acquisition of amino acid and peptide enantiomers within the soil microbial community and its implications for carbon and nitrogen cycling in soil. <i>Soil Biology and Biochemistry</i> , 2015 , 88, 83-89 | 7.5 | 19 |
| 314 | 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 |
| 313 | The urine patch diffusional area: An important N ₂ O source?. <i>Soil Biology and Biochemistry</i> , 2016 , 92, 161-170 | 7.5 | 19 |
| 312 | Estimating the component of soil respiration not dependent on living plant roots: Comparison of the indirect y-intercept regression approach and direct bare plot approach. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 1835-1841 | 7.5 | 19 |
| 311 | Yield and vitamin C content of tomatoes grown in vermicomposted wastes. <i>Journal of the Science of Food and Agriculture</i> , 2007 , 87, 1957-1963 | 4.3 | 19 |
| 310 | 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 |
| 309 | Microbial use of low molecular weight DOM in filtered and unfiltered freshwater: Role of ultra-small microorganisms and implications for water quality monitoring. <i>Science of the Total Environment</i> , 2017 , 598, 377-384 | 10.2 | 18 |
| 308 | Living roots magnify the response of soil organic carbon decomposition to temperature in temperate grassland. <i>Global Change Biology</i> , 2015 , 21, 1368-75 | 11.4 | 18 |
| 307 | Sheep urine patch N ₂ O emissions are lower from extensively-managed than intensively-managed grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 265, 264-274 | 5.7 | 18 |
| 306 | 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 |

| | | | |
|-----|---|------|----|
| 305 | DMPP is ineffective at mitigating N ₂ O emissions from sheep urine patches in a UK grassland under summer conditions. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 246, 1-11 | 5.7 | 18 |
| 304 | Future Issues in Sales, Marketing, and Revenue Management in Greater China: What Keeps You Up at Night?. <i>Journal of Travel and Tourism Marketing</i> , 2011 , 28, 598-614 | 6.6 | 18 |
| 303 | Molecular Weight of Dissolved Organic Carbon, Nitrogen, and Phenolics in Grassland Soils. <i>Soil Science Society of America Journal</i> , 2012 , 76, 142-150 | 2.5 | 18 |
| 302 | Leaching of bioluminescent <i>Escherichia coli</i> O157:H7 from sheep and cattle faeces during simulated rainstorm events. <i>Journal of Applied Microbiology</i> , 2008 , 105, 1452-60 | 4.7 | 18 |
| 301 | Organic acid mediated nutrient extraction efficiency in three calcareous soils. <i>Soil Research</i> , 2009 , 47, 213 | 1.8 | 18 |
| 300 | A global assessment using PCR techniques of mycorrhizal fungal populations colonising <i>Tithonia diversifolia</i> . <i>Mycorrhiza</i> , 2004 , 14, 103-9 | 3.9 | 18 |
| 299 | Speech production time and judgments of disordered nasalization in speakers with cleft palate. <i>Journal of Speech, Language, and Hearing Research</i> , 1990 , 33, 458-66 | 2.8 | 18 |
| 298 | Development and Clinical Evaluation of an mHealth Application for Stress Management. <i>Frontiers in Psychiatry</i> , 2016 , 7, 130 | 5 | 18 |
| 297 | Use of <i>Mytilus edulis</i> biosentinels to investigate spatial patterns of norovirus and faecal indicator organism contamination around coastal sewage discharges. <i>Water Research</i> , 2016 , 105, 241-250 | 12.5 | 18 |
| 296 | 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 |
| 295 | 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 |
| 294 | 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 |
| 293 | Perceptions, behaviours and kitchen hygiene of people who have and have not suffered campylobacteriosis: A case control study. <i>Food Control</i> , 2014 , 41, 82-90 | 6.2 | 17 |
| 292 | Grazing intensity is a poor indicator of waterborne <i>Escherichia coli</i> O157 activity. <i>Anaerobe</i> , 2011 , 17, 330-3 | 2.8 | 17 |
| 291 | Persistence and metabolic activity of <i>Escherichia coli</i> O157:H7 in farm animal faeces. <i>FEMS Microbiology Letters</i> , 2008 , 287, 168-73 | 2.9 | 17 |
| 290 | Rapid Amino Acid Cycling in Arctic and Antarctic Soils. <i>Water, Air and Soil Pollution</i> , 2004 , 4, 169-175 | | 17 |
| 289 | Carbon Sequestration: Do N Inputs and Elevated Atmospheric CO ₂ Alter Soil Solution Chemistry and Respiratory C Losses?. <i>Water, Air and Soil Pollution</i> , 2004 , 4, 177-186 | | 17 |
| 288 | The relationship between temporal aspects of oral-nasal balance and classification of velopharyngeal status in speakers with cleft palate. <i>Cleft Palate-Craniofacial Journal</i> , 2000 , 37, 363-9 | 1.9 | 17 |

| | | | |
|-----|---|------|----|
| 287 | 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 |
| 286 | 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 |
| 285 | 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 |
| 284 | Mineral nitrogen forms alter ¹⁴ C-glucose mineralisation and nitrogen transformations in litter and soil from two sugarcane fields. <i>Applied Soil Ecology</i> , 2016 , 107, 154-161 | 5 | 16 |
| 283 | Long-Term Recovery of Microbial Communities in the Boreal Bryosphere Following Fire Disturbance. <i>Microbial Ecology</i> , 2017 , 73, 75-90 | 4.4 | 16 |
| 282 | Evaluation of Molecular Methods for the Detection and Quantification of Pathogen-Derived Nucleic Acids in Sediment. <i>Frontiers in Microbiology</i> , 2017 , 8, 53 | 5.7 | 16 |
| 281 | Physicochemical Factors Influence the Abundance and Culturability of Human Enteric Pathogens and Fecal Indicator Organisms in Estuarine Water and Sediment. <i>Frontiers in Microbiology</i> , 2017 , 8, 1996 | 5.7 | 16 |
| 280 | Challenging the paradigm of nitrogen cycling: no evidence of in situ resource partitioning by coexisting plant species in grasslands of contrasting fertility. <i>Ecology and Evolution</i> , 2015 , 5, 275-87 | 2.8 | 16 |
| 279 | Soil classification provides a poor indicator of carbon turnover rates in soil. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1688-1696 | 7.5 | 16 |
| 278 | Integrated Grazing and Prescribed Fire Restoration Strategies in a Mesquite Savanna: II. Fire Behavior and Mesquite Landscape Cover Responses. <i>Rangeland Ecology and Management</i> , 2010 , 63, 286-297 | 2.2 | 16 |
| 277 | Carbon-to-nitrogen ratio is a poor predictor of low molecular weight organic nitrogen mineralization in soil. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1750-1752 | 7.5 | 16 |
| 276 | In-vessel bioreduction provides an effective storage and pre-treatment method for livestock carcasses prior to final disposal. <i>Bioresource Technology</i> , 2009 , 100, 4032-40 | 11 | 16 |
| 275 | Toxicology and fate of Pestanal and commercial propetamphos formulations in river and estuarine sediment. <i>Science of the Total Environment</i> , 2006 , 366, 826-36 | 10.2 | 16 |
| 274 | Dissolved Organic Nitrogen Regulation in Freshwaters 2004 , 33, 201 | | 16 |
| 273 | Cover crops affect the partial nitrogen balance in a maize-forage cropping system. <i>Geoderma</i> , 2020 , 360, 114000 | 6.7 | 16 |
| 272 | Revealing soil legacy phosphorus to promote sustainable agriculture in Brazil. <i>Scientific Reports</i> , 2020 , 10, 15615 | 4.9 | 16 |
| 271 | Disentangling the effect of sheep urine patch size and nitrogen loading rate on cumulative N ₂ O emissions. <i>Animal Production Science</i> , 2016 , 56, 265 | 1.4 | 16 |
| 270 | 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 |

| | | | |
|-----|--|------|----|
| 269 | Effects of warming and grazing on dissolved organic nitrogen in a Tibetan alpine meadow ecosystem. <i>Soil and Tillage Research</i> , 2016 , 158, 156-164 | 6.5 | 15 |
| 268 | 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 |
| 267 | A mathematical model of water and nutrient transport in xylem vessels of a wheat plant. <i>Bulletin of Mathematical Biology</i> , 2014 , 76, 566-96 | 2.1 | 15 |
| 266 | 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 |
| 265 | Assessing Soil Nitrogen Availability using Microdialysis-Derived Diffusive Flux Measurements. <i>Soil Science Society of America Journal</i> , 2014 , 78, 1797-1803 | 2.5 | 15 |
| 264 | Effectiveness of cooking to reduce norovirus and infectious F-specific RNA bacteriophage concentrations in <i>Mytilus edulis</i> . <i>Journal of Applied Microbiology</i> , 2014 , 117, 564-71 | 4.7 | 15 |
| 263 | Soil respiration across three contrasting ecosystem types: comparison of two portable IRGA systems. <i>Journal of Plant Nutrition and Soil Science</i> , 2011 , 174, 532-535 | 2.3 | 15 |
| 262 | Contaminated land clean-up using composted wastes and impacts of VOCs on land. <i>Waste Management</i> , 2009 , 29, 1772-8 | 8.6 | 15 |
| 261 | Fertilizer application during primary succession changes the structure of plant and herbivore communities. <i>Biological Conservation</i> , 2006 , 131, 510-522 | 6.2 | 15 |
| 260 | Solubility, Diffusion and Crop Uptake of Phosphorus in Three Different Struvites. <i>Sustainability</i> , 2019 , 11, 134 | 3.6 | 15 |
| 259 | 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 |
| 258 | 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 |
| 257 | 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 |
| 256 | Uptake of an amino acid (alanine) and its peptide (trialeanine) by the saltmarsh halophytes <i>Salicornia europaea</i> and <i>Aster tripolium</i> and its potential role in ecosystem N cycling and marine aquaculture wastewater treatment. <i>Ecological Engineering</i> , 2015 , 75, 145-154 | 3.9 | 14 |
| 255 | Crop residues exacerbate the negative effects of extreme flooding on soil quality. <i>Biology and Fertility of Soils</i> , 2017 , 53, 751-765 | 6.1 | 14 |
| 254 | Dissolved organic nitrogen: A relevant, complementary source of nitrogen for the seagrass <i>Zostera marina</i> . <i>Limnology and Oceanography</i> , 2015 , 60, 1477-1483 | 4.8 | 14 |
| 253 | Interactive effects of depth and temperature on CH ₄ and N ₂ O flux in a shallow podzol. <i>Soil Biology and Biochemistry</i> , 2013 , 62, 1-4 | 7.5 | 14 |
| 252 | Spatial variation of otolith elemental signatures among juvenile gray snapper (<i>Lutjanus griseus</i>) inhabiting southern Florida waters. <i>Marine Biology</i> , 2008 , 153, 235-248 | 2.5 | 14 |

| | | | |
|-----|--|------|----|
| 251 | Procedure for Determining the Biodegradation of Radiolabeled Substrates in a Calcareous Soil. <i>Soil Science Society of America Journal</i> , 2001 , 65, 347-351 | 2.5 | 14 |
| 250 | 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 |
| 249 | Two-Step Concentration of Complex Water Samples for the Detection of Viruses. <i>Methods and Protocols</i> , 2018 , 1, | 2.5 | 14 |
| 248 | 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 |
| 247 | Effects of grazing on the acquisition of nitrogen by plants and microorganisms in an alpine grassland on the Tibetan plateau. <i>Plant and Soil</i> , 2017 , 416, 297-308 | 4.2 | 13 |
| 246 | ¹⁵ N-amino sugar stable isotope probing (¹⁵ N-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 |
| 245 | 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 |
| 244 | Modelling the optimal phosphate fertiliser and soil management strategy for crops. <i>Plant and Soil</i> , 2016 , 401, 135-149 | 4.2 | 13 |
| 243 | 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 |
| 242 | Distribution and diversity of members of the bacterial phylum Fibrobacteres in environments where cellulose degradation occurs. <i>Systematic and Applied Microbiology</i> , 2014 , 37, 502-9 | 4.2 | 13 |
| 241 | Influence of Land Use and Nutrient Flux on Metabolic Activity of E. coli O157 in River Water. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 3077-3083 | 2.6 | 13 |
| 240 | Seasonal nitrous oxide emissions from different land uses and their controlling factors in a tropical riparian ecosystem. <i>Agriculture, Ecosystems and Environment</i> , 2012 , 158, 15-30 | 5.7 | 13 |
| 239 | Heat and lime-treatment as effective control methods for E. coli O157:H7 in organic wastes. <i>Bioresource Technology</i> , 2009 , 100, 2692-8 | 11 | 13 |
| 238 | Influence of water-temperature variability on stony coral diversity in Florida Keys patch reefs. <i>Marine Ecology - Progress Series</i> , 2015 , 528, 173-186 | 2.6 | 13 |
| 237 | Ferrous iron- and ammonium-rich diffuse vents support habitat-specific communities in a shallow hydrothermal field off the Basiluzzo Islet (Aeolian Volcanic Archipelago). <i>Geobiology</i> , 2017 , 15, 664-677 | 4.3 | 12 |
| 236 | Fate of pathogens in a simulated bioreduction system for livestock carcasses. <i>Waste Management</i> , 2012 , 32, 933-8 | 8.6 | 12 |
| 235 | Sporulation of arbuscular mycorrhizal fungi in organic-rich patches following host excision. <i>Applied Soil Ecology</i> , 2010 , 46, 247-250 | 5 | 12 |
| 234 | Early life history stages of goliath grouper <i>Epinephelus itajara</i> (Pisces: Epinephelidae) from Ten Thousand Islands, Florida. <i>Endangered Species Research</i> , 2009 , 7, 221-228 | 2.5 | 12 |

| | | | |
|-----|--|------|----|
| 233 | Dissolved organic carbon and nitrogen dynamics in temperate coniferous forest plantations. <i>European Journal of Soil Science</i> , 2008 , 59, 1038-1048 | 3.4 | 12 |
| 232 | Aluminum complexation suppresses citrate uptake by acid forest soil microorganisms. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 353-357 | 7.5 | 12 |
| 231 | 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 |
| 230 | Evaluation of Two Triplex One-Step qRT-PCR Assays for the Quantification of Human Enteric Viruses in Environmental Samples. <i>Food and Environmental Virology</i> , 2017 , 9, 342-349 | 4 | 11 |
| 229 | 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 |
| 228 | 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 |
| 227 | Amino acid and peptide dynamics in horticultural soils under conventional and organic management strategies. <i>Journal of Soils and Sediments</i> , 2012 , 12, 323-333 | 3.4 | 11 |
| 226 | Subclinical infection and asymptomatic carriage of gastrointestinal zoonoses: occupational exposure, environmental pathways, and the anonymous spread of disease. <i>Epidemiology and Infection</i> , 2013 , 141, 2011-21 | 4.3 | 11 |
| 225 | Assessing the Potential for Ion Selective Electrodes and Dual Wavelength UV Spectroscopy as a Rapid on-Farm Measurement of Soil Nitrate Concentration. <i>Agriculture (Switzerland)</i> , 2013 , 3, 327-341 | 3 | 11 |
| 224 | Alleviation of Both Water and Nutrient Limitations is Necessary to Accelerate Ecological Restoration of Waste Rock Tips. <i>Restoration Ecology</i> , 2011 , 19, 194-204 | 3.1 | 11 |
| 223 | Trivalent metal (Cr, Y, Rh, La, Pr, Gd) sorption in two acid soils and its consequences for bioremediation. <i>European Journal of Soil Science</i> , 1997 , 48, 697-702 | 3.4 | 11 |
| 222 | Yield Responses of Wheat (<i>Triticum aestivum</i>) To Vermicompost Applications. <i>Compost Science and Utilization</i> , 2007 , 15, 6-15 | 1.2 | 11 |
| 221 | In-Vessel Cocomposting of Green Waste With Biosolids and Paper Waste. <i>Compost Science and Utilization</i> , 2007 , 15, 272-282 | 1.2 | 11 |
| 220 | Simple method for ¹⁴ C-labelling root material for use in root decomposition studies. <i>Communications in Soil Science and Plant Analysis</i> , 1994 , 25, 2737-2743 | 1.5 | 11 |
| 219 | Reduction of Methane Emission during Slurry Storage by the Addition of Effective Microorganisms and Excessive Carbon Source from Brewing Sugar. <i>Journal of Environmental Quality</i> , 2016 , 45, 2016-2022 ^{3,4} | 3.4 | 11 |
| 218 | 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 |
| 217 | Quantifying citrate-enhanced phosphate root uptake using microdialysis. <i>Plant and Soil</i> , 2021 , 461, 69-89 ² | 4.2 | 11 |
| 216 | REINTEGRATION OF CROP-LIVESTOCK SYSTEMS IN EUROPE: AN OVERVIEW. <i>Frontiers of Agricultural Science and Engineering</i> , 2021 , 8, 111 | 1.7 | 11 |

| | | | |
|-----|---|------|----|
| 215 | 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 |
| 214 | 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 |
| 213 | Associations between metal exposure and lesion formation in offshore Gulf of Mexico fishes collected after the Deepwater Horizon oil spill. <i>Marine Pollution Bulletin</i> , 2017 , 117, 462-477 | 6.7 | 10 |
| 212 | 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 |
| 211 | 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 |
| 210 | 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 |
| 209 | Spatial zoning of microbial functions and plant-soil nitrogen dynamics across a riparian area in an extensively grazed livestock system. <i>Soil Biology and Biochemistry</i> , 2018 , 120, 153-164 | 7.5 | 10 |
| 208 | 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 |
| 207 | Moss-nitrogen input to boreal forest soils: Tracking 15N in a field experiment. <i>Soil Biology and Biochemistry</i> , 2014 , 72, 100-104 | 7.5 | 10 |
| 206 | Deciduous woodland exposed to elevated atmospheric CO ₂ has species-specific impacts on anecic earthworms. <i>Applied Soil Ecology</i> , 2014 , 80, 84-92 | 5 | 10 |
| 205 | Evidence for host-specificity of culturable fungal root endophytes from the carnivorous plant <i>Pinguicula vulgaris</i> (Common Butterwort). <i>Mycological Progress</i> , 2012 , 11, 583-585 | 1.9 | 10 |
| 204 | Can a mesotrophic grassland community be restored on a post-industrial sandy site with compost made from waste materials?. <i>Biological Conservation</i> , 2011 , 144, 500-510 | 6.2 | 10 |
| 203 | Soil characteristics below <i>Erythrina poeppigiana</i> in organic and conventional Costa Rican coffee plantations. <i>Agroforestry Systems</i> , 2009 , 76, 81-93 | 2 | 10 |
| 202 | Moisture, sawdust, and bleach regulate the persistence of <i>Escherichia coli</i> O157:H7 on floor surfaces in butcher shops. <i>Food Control</i> , 2008 , 19, 1119-1125 | 6.2 | 10 |
| 201 | Mesquite, Tobosagrass, and Common Broomweed Responses to Fire Season and Intensity. <i>Rangeland Ecology and Management</i> , 2008 , 61, 588-597 | 2.2 | 10 |
| 200 | Dynamics of size-density fractions of soil organic matter following the addition of tree litter to organic coffee farms. <i>Geoderma</i> , 2007 , 141, 15-22 | 6.7 | 10 |
| 199 | The Control of Carbon Acquisition by and Growth of Roots. <i>Ecological Studies</i> , 2003 , 91-124 | 1.1 | 10 |
| 198 | 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 |

| | | | |
|-----|--|------|----|
| 197 | 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 |
| 196 | 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 |
| 195 | Agroecosystem resilience in response to extreme winter flooding. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 279, 1-13 | 5.7 | 9 |
| 194 | Warming alters competition for organic and inorganic nitrogen between co-existing grassland plant species. <i>Plant and Soil</i> , 2016 , 406, 117-129 | 4.2 | 9 |
| 193 | Short-term biotic removal of dissolved organic nitrogen (DON) compounds from soil solution and subsequent mineralisation in contrasting grassland soils. <i>Soil Biology and Biochemistry</i> , 2016 , 96, 82-85 | 7.5 | 9 |
| 192 | Methodological bias associated with soluble protein recovery from soil. <i>Scientific Reports</i> , 2018 , 8, 11186 | 4.9 | 9 |
| 191 | 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 |
| 190 | Variation in Estuarine Consumer Communities Along An Assembled Eutrophication Gradient: Implications for Trophic Instability. <i>Estuaries and Coasts</i> , 2013 , 36, 951-965 | 2.8 | 9 |
| 189 | Biochar concomitantly increases simazine sorption in sandy loam soil and lowers its dissipation. <i>Archives of Agronomy and Soil Science</i> , 2017 , 63, 1082-1092 | 2 | 9 |
| 188 | Expectations of Working Relationships in International Buyer-Seller Relationships: Development of a Relationship Continuum Scale. <i>Asia Pacific Journal of Tourism Research</i> , 2007 , 12, 181-202 | 2.9 | 9 |
| 187 | Impact of Land Use on Soluble Organic Nitrogen in Soil. <i>Water, Air and Soil Pollution</i> , 2004 , 4, 53-60 | | 9 |
| 186 | Variation of oceanographic processes affecting the size of pink shrimp (<i>Farfantepenaeus duorarum</i>) postlarvae and their supply to Florida Bay. <i>Estuarine, Coastal and Shelf Science</i> , 2003 , 57, 457-468 | 2.8 | 9 |
| 185 | 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 |
| 184 | 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 |
| 183 | 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 |
| 182 | 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 |
| 181 | Plant organic N uptake maintains species dominance under long-term warming. <i>Plant and Soil</i> , 2018 , 433, 243-255 | 4.2 | 9 |
| 180 | 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 |

| | | | |
|-----|--|------|---|
| 179 | Distribution of gymnosomatous pteropods in western Antarctic Peninsula shelf waters: influences of Southern Ocean water masses. <i>Polar Record</i> , 2015 , 51, 58-71 | 0.5 | 8 |
| 178 | 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 |
| 177 | Freeze-thaw cycles have minimal effect on the mineralisation of low molecular weight, dissolved organic carbon in Arctic soils. <i>Polar Biology</i> , 2016 , 39, 2387-2401 | 2 | 8 |
| 176 | Thresholds of biodiversity and ecosystem function in a forest ecosystem undergoing dieback. <i>Scientific Reports</i> , 2017 , 7, 6775 | 4.9 | 8 |
| 175 | Using a Gulf of Mexico Atlantis model to evaluate ecological indicators for sensitivity to fishing mortality and robustness to observation error. <i>Ecological Indicators</i> , 2017 , 74, 516-525 | 5.8 | 8 |
| 174 | Honey Mesquite (<i>Prosopis glandulosa</i>) Seedling Responses to Seasonal Timing of Fire and Fireline Intensity. <i>Rangeland Ecology and Management</i> , 2015 , 68, 194-203 | 2.2 | 8 |
| 173 | Fate of prions in soil: Degradation of recombinant prion in aqueous extracts from soil and casts of two earthworm species. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 1168-1171 | 7.5 | 8 |
| 172 | Responses of Common Pot Grown Flower Species To Commercial Plant Growth Media Substituted With Vermicomposts. <i>Compost Science and Utilization</i> , 2007 , 15, 159-166 | 1.2 | 8 |
| 171 | A comparison of oral-nasal balance patterns in speakers who are categorized as "almost but not quite" and "sometimes but not always". <i>Cleft Palate-Craniofacial Journal</i> , 2004 , 41, 526-34 | 1.9 | 8 |
| 170 | Interference by amino acids during the determination of ¹⁵ N ammonium in soil. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 1747-1750 | 7.5 | 8 |
| 169 | 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 |
| 168 | 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 |
| 167 | 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 |
| 166 | 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 |
| 165 | Soil microbial populations in deep floodplain soils are adapted to infrequent but regular carbon substrate addition. <i>Soil Biology and Biochemistry</i> , 2018 , 122, 60-70 | 7.5 | 8 |
| 164 | Different ways in which CO ₂ can be released during the turnover of roots in soil. <i>Biology and Fertility of Soils</i> , 2017 , 53, 369-374 | 6.1 | 7 |
| 163 | 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 |
| 162 | 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 |

| | | | |
|-----|---|------|---|
| 161 | Soil health cluster analysis based on national monitoring of soil indicators. <i>European Journal of Soil Science</i> , 2020 , | 3.4 | 7 |
| 160 | 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 |
| 159 | Using the concentration-dependence of respiration arising from glucose addition to estimate in situ concentrations of labile carbon in grassland soil. <i>Soil Biology and Biochemistry</i> , 2014 , 77, 81-88 | 7.5 | 7 |
| 158 | The carbon footprint of UK sheep production: current knowledge and opportunities for reduction in temperate zones. <i>Journal of Agricultural Science</i> , 2014 , 152, 288-308 | 1 | 7 |
| 157 | Modification of Fertility of Soil Materials for Restoration of Acid Grassland Habitat. <i>Restoration Ecology</i> , 2011 , 19, 509-519 | 3.1 | 7 |
| 156 | Microbiological quality of chicken wings damaged on the farm or in the processing plant. <i>Food Microbiology</i> , 2010 , 27, 521-5 | 6 | 7 |
| 155 | Temporal and spatial dynamics of soil solution C and N concentrations during <i>Lolium perenne</i> L. sward establishment and the effects of elevated CO ₂ and N additions. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 1290-1297 | 7.5 | 7 |
| 154 | NUTRITION Aluminum Toxicity 2003 , 656-664 | | 7 |
| 153 | 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 |
| 152 | Carbon dioxide fluxes at an intensively cultivated temperate lowland peatland in the East Anglian Fens, UK | | 7 |
| 151 | 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 |
| 150 | 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 |
| 149 | Volatile organic compounds (VOCs) allow sensitive differentiation of biological soil quality. <i>Soil Biology and Biochemistry</i> , 2021 , 156, 108187 | 7.5 | 7 |
| 148 | Spatial co-localisation of extreme weather events: a clear and present danger. <i>Ecology Letters</i> , 2021 , 24, 60-72 | 10 | 7 |
| 147 | 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 |
| 146 | Delineating and mapping riparian areas for ecosystem service assessment. <i>Ecohydrology</i> , 2018 , 11, e1928.5 | | 7 |
| 145 | Viral dispersal in the coastal zone: A method to quantify water quality risk. <i>Environment International</i> , 2019 , 126, 430-442 | 12.9 | 6 |
| 144 | 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 |

| | | | |
|-----|---|------|---|
| 143 | Spatial and temporal heterogeneity of bacteria across an intertidal shellfish bed: implications for regulatory monitoring of faecal indicator organisms. <i>Science of the Total Environment</i> , 2015 , 506-507, 1-9 | 10.2 | 6 |
| 142 | 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 |
| 141 | Riparian research and legislation, are they working towards the same common goals? A UK case study. <i>Environmental Science and Policy</i> , 2018 , 82, 126-135 | 6.2 | 6 |
| 140 | Epizoic Barnacles Act as Pathogen Reservoirs on Shellfish Beds. <i>Journal of Shellfish Research</i> , 2013 , 32, 533-538 | 1 | 6 |
| 139 | Susceptibility of Escherichia coli O157 to chitosan-arginine in beef liquid purge is affected by bacterial cell growth phase. <i>International Journal of Food Science and Technology</i> , 2014 , 49, 515-520 | 3.8 | 6 |
| 138 | Deinking paper fibre application to agricultural land: soil quality enhancer or copper polluter?. <i>Soil Use and Management</i> , 2008 , 24, 217-220 | 3.1 | 6 |
| 137 | Patterns of oral-nasal balance in normal speakers with and without cleft palate. <i>Folia Phoniatrica Et Logopaedica</i> , 2006 , 58, 383-91 | 1.5 | 6 |
| 136 | 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 |
| 135 | Effects of 7 years of field weathering on biochar recalcitrance and solubility. <i>Biochar</i> , 2019 , 1, 237-248 | 10 | 6 |
| 134 | Exploring the Relationship between Destination Image, Aggressive Street Behavior, and Tourist Safety. <i>Journal of Hospitality Marketing and Management</i> , 2017 , 26, 735-751 | 6.4 | 5 |
| 133 | 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 |
| 132 | Seroprevalence and risk factors associated with Escherichia coli O157 in a farming population. <i>Zoonoses and Public Health</i> , 2012 , 59, 83-8 | 2.9 | 5 |
| 131 | Elevated 'CO ₂ ' and 'Tree Species' Affect 'Microbial' Activity and 'Associated' Aggregate 'Stability' in 'Soil' Amended with 'Litter'. <i>Forests</i> , 2017 , 8, 70 | 2.8 | 5 |
| 130 | Strategic assessment of fisheries independent monitoring programs in the gulf of Mexico. <i>PLoS ONE</i> , 2015 , 10, e0120929 | 3.7 | 5 |
| 129 | An Empirical Approach to Identifying Cross-Cultural Modifications to International Hospitality Industry Sales Training. <i>Journal of Travel and Tourism Marketing</i> , 2005 , 18, 65-81 | 6.6 | 5 |
| 128 | Macro- and microplastic accumulation in soil after 32 years of plastic film mulching.. <i>Environmental Pollution</i> , 2022 , 118945 | 9.3 | 5 |
| 127 | Organic acids alleviate iron chlorosis in chickpea grown on two p-fertilized soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2014 , 35-46 | 3.2 | 5 |
| 126 | Influx and efflux of Amino acids from Zea mays L. roots and their implications for N nutrition and the rhizosphere 1993 , 91-94 | | 5 |

| | | | |
|-----|--|------|---|
| 125 | 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 |
| 124 | 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 |
| 123 | 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 |
| 122 | Boreal Forest Floor Greenhouse Gas Emissions Across a <i>Pleurozium schreberi</i> -Dominated, Wildfire-Disturbed Chronosequence. <i>Ecosystems</i> , 2019 , 22, 1381-1392 | 3.9 | 4 |
| 121 | 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 |
| 120 | Impact of microbial activity on the leaching of soluble N forms in soil. <i>Biology and Fertility of Soils</i> , 2018 , 54, 21-25 | 6.1 | 4 |
| 119 | Potential contribution of soil diversity and abundance metrics to identifying high nature value farmland (HNV). <i>Geoderma</i> , 2017 , 305, 417-432 | 6.7 | 4 |
| 118 | Resemblance profiles as clustering decision criteria: Estimating statistical power, error, and correspondence for a hypothesis test for multivariate structure. <i>Ecology and Evolution</i> , 2017 , 7, 2039-2057 | 2.8 | 4 |
| 117 | Developing farm-specific marginal abatement cost curves: Cost-effective greenhouse gas mitigation opportunities in sheep farming systems. <i>Land Use Policy</i> , 2015 , 49, 394-403 | 5.6 | 4 |
| 116 | Bioreduction of sheep carcasses effectively contains and reduces pathogen levels under operational and simulated breakdown conditions. <i>Environmental Science & Technology</i> , 2013 , 47, 5267-75 | 10.3 | 4 |
| 115 | Comparative Analysis of Travel-Related Characteristics Between Special Event Attendees and Non-Attendees in a Metropolitan City. <i>Journal of Convention and Event Tourism</i> , 2009 , 10, 50-71 | 0.8 | 4 |
| 114 | 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 |
| 113 | Microbial potential for denitrification in the hyperarid Atacama Desert soils. <i>Soil Biology and Biochemistry</i> , 2021 , 157, 108248 | 7.5 | 4 |
| 112 | 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 |
| 111 | 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 |
| 110 | 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 |
| 109 | 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 |
| 108 | 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 |

| | | | |
|-----|--|-----|---|
| 107 | Synthesis of methods used to assess soil protease activity. <i>Soil Biology and Biochemistry</i> , 2021 , 158, 108273 | 7.3 | 4 |
| 106 | Identifying barriers to routine soil testing within beef and sheep farming systems. <i>Geoderma</i> , 2021 , 404, 115298 | 6.7 | 4 |
| 105 | Arbuscular mycorrhizal fungi and biochar influence simazine decomposition and leaching. <i>GCB Bioenergy</i> , 2021 , 13, 708-718 | 5.6 | 4 |
| 104 | Aluminum Toxicity 2017 , 211-218 | | 3 |
| 103 | A quantitative risk assessment for the safety of carcass storage systems for scrapie infected farms. <i>Journal of Applied Microbiology</i> , 2014 , 117, 940-8 | 4.7 | 3 |
| 102 | Exploring the Potential Market for the "Commercial Home" in Mainland China: A Comparison of Domestic and International Tourists. <i>Journal of China Tourism Research</i> , 2013 , 9, 305-324 | 1.6 | 3 |
| 101 | Developing a Convention and Event Management Curriculum in Asia: Using Blue Ocean Strategy and Co-Creation with Industry. <i>Journal of Convention and Event Tourism</i> , 2010 , 11, 154-158 | 0.8 | 3 |
| 100 | What Hotel Sales and Marketing Executives Should Know Before Investing Dollars in Sales Technology. <i>Journal of Convention and Event Tourism</i> , 2006 , 8, 31-44 | 0.8 | 3 |
| 99 | Carbon sequestration: Do N inputs and elevated atmospheric CO ₂ alter soil solution chemistry and respiratory C losses?. <i>Water, Air and Soil Pollution</i> , 2005 , 4, 177-186 | | 3 |
| 98 | 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 |
| 97 | 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 |
| 96 | Rehabilitated Mine-Site Management, Soil Health and Climate Change. <i>Soil Biology</i> , 2011 , 287-314 | 1 | 3 |
| 95 | Organic acid behavior in soils [misconceptions and knowledge gaps 2003 , 31-41 | | 3 |
| 94 | Human enteric pathogens. 2002 , 133-153 | | 3 |
| 93 | Microbial diversity dynamics during the self-acidification of dairy slurry. <i>Environmental Technology (United Kingdom)</i> , 2021 , 42, 2562-2572 | 2.6 | 3 |
| 92 | High Representation of Archaea Across All Depths in Oxidic and Low-pH Sediment Layers Underlying an Acidic Stream. <i>Frontiers in Microbiology</i> , 2020 , 11, 576520 | 5.7 | 3 |
| 91 | 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 |
| 90 | 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 |

| | | | |
|----|--|------|---|
| 89 | 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 |
| 88 | 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 |
| 87 | 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 |
| 86 | Tracing the fate of wastewater viruses reveals catchment-scale virome diversity and connectivity. <i>Water Research</i> , 2021 , 203, 117568 | 12.5 | 3 |
| 85 | 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 |
| 84 | Simazine degradation in agroecosystems: Will it be affected by the type and amount of microplastic pollution?. <i>Land Degradation and Development</i> , | 4.4 | 3 |
| 83 | 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 |
| 82 | Microplastics shape microbial communities affecting soil organic matter decomposition in paddy soil.. <i>Journal of Hazardous Materials</i> , 2022 , 431, 128589 | 12.8 | 3 |
| 81 | Effects of plastic residues and microplastics on soil ecosystems: A global meta-analysis. <i>Journal of Hazardous Materials</i> , 2022 , 129065 | 12.8 | 3 |
| 80 | Rapid depletion of dissolved organic sulphur (DOS) in freshwaters. <i>Biogeochemistry</i> , 2020 , 149, 105-113 | 3.8 | 2 |
| 79 | Limited effects of land use on soil dissolved organic matter chemistry as assessed by excitation-emission fluorescence spectroscopy and molecular weight fractionation. <i>Soil Use and Management</i> , 2016 , 32, 662-665 | 3.1 | 2 |
| 78 | 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 |
| 77 | Reply to the Comment by J.P. Gustafsson and D.G. Lumsdon on Nitrate adsorption can decrease soluble phosphate concentration in soils: Results of theoretical modeling by M. Duputel, N. Devau, M. Brossard, B. Jaillard, D.L. Jones, P. Hinsinger, and F. Gnard. <i>Applied Geochemistry</i> , 2014 , 46, 90-94 | 3.5 | 2 |
| 76 | Declining reactivation ability of Escherichia coli O157 following incubation within soil. <i>Soil Biology and Biochemistry</i> , 2013 , 63, 85-88 | 7.5 | 2 |
| 75 | A real-time test of food hazard awareness. <i>British Food Journal</i> , 2015 , 117, 2112-2128 | 2.8 | 2 |
| 74 | Absence of E coli O157:H7 in sheep and cattle faeces in North Wales. <i>Veterinary Record</i> , 2013 , 173, 143 | 0.9 | 2 |
| 73 | Effects of salinity, DOM and metals on the fate and microbial toxicology of propetamphos formulations in river and estuarine sediment. <i>Chemosphere</i> , 2011 , 83, 1117-23 | 8.4 | 2 |
| 72 | Resilience of soil microbial activity and of amino acid dynamics to the removal of plant carbon inputs during winter. <i>Scientia Agricola</i> , 2009 , 66, 132-135 | 2.5 | 2 |

| | | | |
|----|--|------|---|
| 71 | Influence of inorganic and organic nitrogen on enzymes of nitrogen assimilation and growth in tomato seedlings. <i>Journal of Horticultural Science and Biotechnology</i> , 2008 , 83, 513-519 | 1.9 | 2 |
| 70 | Establishment of local wastewater-based surveillance programmes in response to the spread and infection of COVID-19 Case studies from South Africa, the Netherlands, Turkey and England. <i>Journal of Water and Health</i> , | 2.2 | 2 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |
| 66 | RE-CREATING WOODLAND AND HEATHLAND ON SLATE WASTE IN WALES. <i>Journal of the American Society of Mining and Reclamation</i> , 2002 , 2002, 449-458 | 2.5 | 2 |
| 65 | Hydrological Effects on Below Ground Processes in Temperate and Mediterranean Forests. <i>Ecological Studies</i> , 2010 , 5-29 | 1.1 | 2 |
| 64 | Polyphenolic Profiling of Forestry Waste by UPLC-HDMSE. <i>Processes</i> , 2020 , 8, 1411 | 2.9 | 2 |
| 63 | 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 |
| 62 | 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 |
| 61 | COVID-19 mass testing: harnessing the power of wastewater epidemiology | | 2 |
| 60 | Microbial turnover of above and belowground litter components in shrublands. <i>Pedobiologia</i> , 2016 , 59, 229-232 | 1.7 | 2 |
| 59 | Map of total phosphorus content in native soils of Brazil. <i>Scientia Agricola</i> , 2021 , 78, | 2.5 | 2 |
| 58 | 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 |
| 57 | 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 |
| 56 | Characterisation of riverine dissolved organic matter using a complementary suite of chromatographic and mass spectrometric methods. <i>Biogeochemistry</i> ,1 | 3.8 | 2 |
| 55 | 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 |
| 54 | The Effects of Spatial Scale on Assigning Nursery Habitats in Atlantic Goliath Groupers (<i>Epinephelus itajara</i>) Using Non-lethal Analyses of Fin Rays. <i>Estuaries and Coasts</i> , 2017 , 40, 1785-1794 | 2.8 | 1 |

| | | | |
|----|--|------|---|
| 53 | 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 |
| 52 | Substrate Influences Temperature Sensitivity of Dissolved Organic Carbon (DOC) and Nitrogen (DON) Mineralization in Arid Agricultural Soils. <i>Soil Systems</i> , 2018 , 2, 28 | 3.5 | 1 |
| 51 | Negative influence of biofilm on CoCrMo corrosion. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2556-2566 | 5.4 | 1 |
| 50 | Differential Utilization of Dissolved Organic and Inorganic Nitrogen by Wheat (<i>Triticum Aestivum</i> L.). <i>Journal of Plant Nutrition</i> , 2014 , 37, 2094-2107 | 2.3 | 1 |
| 49 | Proponents and Opponents: Where Do They Stand on the Employee Free Choice Act and Neutrality and Card-Check Agreements?. <i>International Journal of Hospitality and Tourism Administration</i> , 2012 , 13, 328-347 | 2 | 1 |
| 48 | Despite high uptake efficiency, non-mycorrhizal <i>Rumex acetosella</i> increases available phosphorous in the rhizosphere soil, whereas <i>Viscaria vulgaris</i> , <i>Plantago lanceolata</i> and <i>Achillea millefolium</i> does not. <i>Nordic Journal of Botany</i> , 2009 , 27, 444-448 | 1.1 | 1 |
| 47 | Survival and metabolic activity of lux-marked <i>Escherichia coli</i> O157:H7 in different types of milk. <i>Journal of Dairy Research</i> , 2012 , 79, 257-61 | 1.6 | 1 |
| 46 | Foreword to the Rhizosphere 2004 Papers in this issue of the Journal. <i>European Journal of Soil Science</i> , 2006 , 57, 1-1 | 3.4 | 1 |
| 45 | Hospitality Industry Sales Force Automation: Organizational and Individual Levels of Adoption and the Implications on Performance, Productivity and Profitability. <i>Journal of Hospitality Marketing and Management</i> , 2004 , 11, 173-185 | | 1 |
| 44 | Impact of land use on soluble organic nitrogen in soil. <i>Water, Air and Soil Pollution</i> , 2005 , 4, 53-60 | | 1 |
| 43 | Carbon Partitioning and Respiration Their Control and Role in Plants at High CO ₂ 2006 , 271-292 | | 1 |
| 42 | 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 |
| 41 | Addition of iron to agricultural topsoil and subsoil is not an effective C sequestration strategy. <i>Geoderma</i> , 2022 , 409, 115646 | 6.7 | 1 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | Effects of <i>Ageratina adenophora</i> Invasion on the Understorey Community and Soil Phosphorus Characteristics of Different Forest Types in Southwest China. <i>Forests</i> , 2020 , 11, 806 | 2.8 | 1 |
| 36 | Quantifying the frequency and volume of urine deposition by grazing sheep using tri-axial accelerometers. <i>Animal</i> , 2021 , 15, 100234 | 3.1 | 1 |

| | | | |
|----|---|------|---|
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | Use of a coupled soil-root-leaf model to optimise phosphate fertiliser use efficiency in barley. <i>Plant and Soil</i> , 2016 , 406, 341-357 | 4.2 | 1 |
| 31 | 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 |
| 30 | 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 |
| 29 | Fluctuating fishing intensities and climate dynamics reorganize the Gulf of Mexico's fisheries resources. <i>Ecosphere</i> , 2018 , 9, e02487 | 3.1 | 1 |
| 28 | Manipulation of the soil microbiome regulates the colonization of plants by arbuscular mycorrhizal fungi. <i>Mycorrhiza</i> , 2021 , 31, 545-558 | 3.9 | 1 |
| 27 | Shifts in Soil Structure, Biological, and Functional Diversity Under Long-Term Carbon Deprivation. <i>Frontiers in Microbiology</i> , 2021 , 12, 735022 | 5.7 | 1 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | Investigating heterogeneity in food risk perceptions using best-worst scaling. <i>Journal of Risk Research</i> , 2020 , 1-16 | 4.2 | 0 |
| 21 | Response to "velopharyngeal dysfunction: speech characteristics, variable etiologies, evaluation techniques, and differential treatments" by Dworkin, Marunick, and Krouse, October 2004. <i>Language, Speech, and Hearing Services in Schools</i> , 2006 , 37, 236-8; author reply 239-43 | 2.3 | 0 |
| 20 | Identification and predictability of soil quality indicators from conventional soil and vegetation classifications. <i>PLoS ONE</i> , 2021 , 16, e0248665 | 3.7 | 0 |
| 19 | 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 |
| 18 | Long-Term Drought and Warming Alter Soil Bacterial and Fungal Communities in an Upland Heathland. <i>Ecosystems</i> , 1 | 3.9 | 0 |

| | | | |
|----|---|-----|---|
| 17 | 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 | ○ |
| 16 | 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 | ○ |
| 15 | 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 | ○ |
| 14 | Polyphenolic Profiling of Green Waste Determined by UPLC-HDMSE. <i>Processes</i> , 2021 , 9, 824 | 2.9 | ○ |
| 13 | 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 | ○ |
| 12 | 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 | ○ |
| 11 | Changes in the physicochemical properties and enzymatic activity of waste during bioreduction of pig carcasses. <i>Environmental Technology (United Kingdom)</i> , 2014 , 35, 1904-15 | 2.6 | |
| 10 | Response to N. J. Barrow by E. Oburger*, D. Leitner, D. L. Jones, T. Roose, A. Schnepf. <i>European Journal of Soil Science</i> , 2012 , 63, 528-530 | 3.4 | |
| 9 | Importance of researching the mechanisms underpinning the restoration of whole ecosystem diversity. <i>Biological Conservation</i> , 2011 , 144, 1300-1301 | 6.2 | |
| 8 | A procedure for the computerized analysis of cleft palate speech transcription. <i>Clinical Linguistics and Phonetics</i> , 2012 , 26, 18-38 | 1.4 | |
| 7 | A holistic view of rhizosphere ecology. <i>New Phytologist</i> , 2002 , 153, 211-211 | 9.8 | |
| 6 | Rapid amino acid cycling in arctic and antarctic soils. <i>Water, Air and Soil Pollution</i> , 2005 , 4, 169-175 | | |
| 5 | Soil characteristics below <i>Erythrina poeppigiana</i> in organic and conventional Costa Rican coffee plantations. <i>Advances in Agroforestry</i> , 2009 , 81-93 | | |
| 4 | Effects of Depleted Uranium on Soil Microbial Activity: A Bioassay Approach Using ¹⁴ C-labeled Glucose 2010 , 311-313 | | |
| 3 | 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 | |
| 2 | Survival and metabolic characteristics of Lux-Marked <i>Escherichia coli</i> O157:H7 in different types of milk. <i>Mag allat Al-Muhtar Li-l-?ulñ</i> , 2016 , 31, 24-33 | ○ | |
| 1 | Effectiveness of a wool based packaging system on the abundance of surface spoilage microorganisms on fresh meat. <i>Mag allat Al-Muhtar Li-l-?ulñ</i> , 2016 , 31, 34-41 | ○ | |