

# Bryan S Griffiths

## List of Publications by Year in descending order

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Version: 2024-02-01

190  
papers

13,703  
citations

18465

62  
h-index

25770

108  
g-index

193  
all docs

193  
docs citations

193  
times ranked

11552  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy flux across multitrophic levels drives ecosystem multifunctionality: Evidence from nematode food webs. <i>Soil Biology and Biochemistry</i> , 2022, 169, 108656.	4.2	26
2	Roots with larger specific root length and C: N ratio sustain more complex rhizosphere nematode community. <i>Plant and Soil</i> , 2022, 477, 693-706.	1.8	6
3	Organic amendments increase the flow uniformity of energy across nematode food webs. <i>Soil Biology and Biochemistry</i> , 2022, 170, 108695.	4.2	12
4	Microbial Community Resilience across Ecosystems and Multiple Disturbances. <i>Microbiology and Molecular Biology Reviews</i> , 2021, 85, .	2.9	87
5	Role of microbial communities in conferring resistance and resilience of soil carbon and nitrogen cycling following contrasting stresses. <i>European Journal of Soil Biology</i> , 2021, 104, 103308.	1.4	5
6	Moderate grazing increases the structural complexity of soil micro-food webs by promoting root quantity and quality in a Tibetan alpine meadow. <i>Applied Soil Ecology</i> , 2021, 168, 104161.	2.1	7
7	Isolating the effect of soil properties on agricultural soil greenhouse gas emissions under controlled conditions. <i>Soil Use and Management</i> , 2020, 36, 285-298.	2.6	6
8	Root traits mediate functional guilds of soil nematodes in an ex-arable field. <i>Soil Biology and Biochemistry</i> , 2020, 151, 108038.	4.2	25
9	Contribution of bacterivorous nematodes to soil resistance and resilience under copper or heat stress. <i>Soil Ecology Letters</i> , 2020, 2, 220-229.	2.4	9
10	The geophagous earthworm <i>Metaphire guillelmi</i> effects on rhizosphere microbial community structure and functioning vary with plant species. <i>Geoderma</i> , 2020, 379, 114647.	2.3	7
11	An Assessment of Climate Induced Increase in Soil Water Availability for Soil Bacterial Communities Exposed to Long-Term Differential Phosphorus Fertilization. <i>Frontiers in Microbiology</i> , 2020, 11, 682.	1.5	3
12	A global database of soil nematode abundance and functional group composition. <i>Scientific Data</i> , 2020, 7, 103.	2.4	46
13	Biochar exerts negative effects on soil fauna across multiple trophic levels in a cultivated acidic soil. <i>Biology and Fertility of Soils</i> , 2020, 56, 597-606.	2.3	41
14	Root ethylene mediates rhizosphere microbial community reconstruction when chemically detecting cyanide produced by neighbouring plants. <i>Microbiome</i> , 2020, 8, 4.	4.9	102
15	Distribution and Restricted Vertical Movement of Nematodes in a Heavy Clay Soil. <i>Agronomy</i> , 2020, 10, 221.	1.3	2
16	Soil nematode abundance and functional group composition at a global scale. <i>Nature</i> , 2019, 572, 194-198.	18.7	635
17	Earthworms Coordinate Soil Biota to Improve Multiple Ecosystem Functions. <i>Current Biology</i> , 2019, 29, 3420-3429.e5.	1.8	76
18	Conceptual framework underpinning management of soil healthâ€”supporting siteâ€”specific delivery of sustainable agroâ€”ecosystems. <i>Food and Energy Security</i> , 2019, 8, e00158.	2.0	12

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19	Soil bacterial community structure and functional responses across a long-term mineral phosphorus (Pi) fertilisation gradient differ in grazed and cut grasslands. <i>Applied Soil Ecology</i> , 2019, 138, 134-143.	2.1	38
20	Resilience of soil functions to transient and persistent stresses is improved more by residue incorporation than the activity of earthworms. <i>Applied Soil Ecology</i> , 2019, 139, 10-14.	2.1	3
21	Proportion of Sewage Sludge to Soil Influences the Survival of <i>Salmonella</i> Dublin and <i>Escherichia coli</i> . <i>Clean - Soil, Air, Water</i> , 2018, 46, 1800042.	0.7	11
22	The need for standardisation: Exemplified by a description of the diversity, community structure and ecological indices of soil nematodes. <i>Ecological Indicators</i> , 2018, 87, 43-46.	2.6	34
23	Risk Assessment of <i>E. coli</i> Survival Up to the Grazing Exclusion Period After Dairy Slurry, Cattle Dung, and Biosolids Application to Grassland. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	5
24	Applying Soil Health Indicators to Encourage Sustainable Soil Use: The Transition from Scientific Study to Practical Application. <i>Sustainability</i> , 2018, 10, 3021.	1.6	22
25	Litter chemistry influences earthworm effects on soil carbon loss and microbial carbon acquisition. <i>Soil Biology and Biochemistry</i> , 2018, 123, 105-114.	4.2	21
26	Soil protistology rebooted: 30 fundamental questions to start with. <i>Soil Biology and Biochemistry</i> , 2017, 111, 94-103.	4.2	130
27	Priorities for research in soil ecology. <i>Pedobiologia</i> , 2017, 63, 1-7.	0.5	64
28	Responses of rice paddy micro-food webs to elevated CO <sub>2</sub> are modulated by nitrogen fertilization and crop cultivars. <i>Soil Biology and Biochemistry</i> , 2017, 114, 104-113.	4.2	27
29	Refinement of Passive Nematode Recovery from Cotton Growing High Clay Content Australian Vertisols. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 316-325.	0.6	2
30	Selecting cost effective and policy-relevant biological indicators for European monitoring of soil biodiversity and ecosystem function. <i>Ecological Indicators</i> , 2016, 69, 213-223.	2.6	80
31	Vermicompost increases defense against root-knot nematode ( <i>Meloidogyne incognita</i> ) in tomato plants. <i>Applied Soil Ecology</i> , 2016, 105, 177-186.	2.1	69
32	Effects of decomposing cadavers on soil nematode communities over a one-year period. <i>Soil Biology and Biochemistry</i> , 2016, 103, 405-416.	4.2	30
33	New frontiers in belowground ecology for plant protection from root-feeding insects. <i>Applied Soil Ecology</i> , 2016, 108, 96-107.	2.1	49
34	Mite community composition across a European transect and its relationships to variation in other components of soil biodiversity. <i>Applied Soil Ecology</i> , 2016, 97, 86-97.	2.1	21
35	Using nematode communities to test a European scale soil biological monitoring programme for policy development. <i>Applied Soil Ecology</i> , 2016, 97, 78-85.	2.1	19
36	Selection of biological indicators appropriate for European soil monitoring. <i>Applied Soil Ecology</i> , 2016, 97, 12-22.	2.1	71

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37	Ecological network analysis reveals the inter-connection between soil biodiversity and ecosystem function as affected by land use across Europe. <i>Applied Soil Ecology</i> , 2016, 97, 112-124.	2.1	184
38	Stable isotope analysis ( $^{13}\text{C}$ and $^{15}\text{N}$ ) of soil nematodes from four feeding groups. <i>PeerJ</i> , 2016, 4, e2372.	0.9	12
39	Probing soil physical and biological resilience data from a broad sampling of arable farms in Scotland. <i>Soil Use and Management</i> , 2015, 31, 491-503.	2.6	4
40	Interaction matters: Synergy between vermicompost and PGPR agents improves soil quality, crop quality and crop yield in the field. <i>Applied Soil Ecology</i> , 2015, 89, 25-34.	2.1	115
41	Resource utilization capability of bacteria predicts their invasion potential in soil. <i>Soil Biology and Biochemistry</i> , 2015, 81, 287-290.	4.2	24
42	The nitrification inhibitor dicyandiamide increases mineralization-immobilization turnover in slurry-amended grassland soil. <i>Journal of Agricultural Science</i> , 2014, 152, 137-149.	0.6	33
43	Seasonal nitrous oxide emissions from field soils under reduced tillage, compost application or organic farming. <i>Agriculture, Ecosystems and Environment</i> , 2014, 189, 171-180.	2.5	41
44	Adsorption of <i>Trametes versicolor</i> laccase to soil iron and aluminum minerals: Enzyme activity, kinetics and stability studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 342-348.	2.5	34
45	Recently identified microbial guild mediates soil N <sub>2</sub> O sink capacity. <i>Nature Climate Change</i> , 2014, 4, 801-805.	8.1	364
46	The role of sulfur- and phosphorus-mobilizing bacteria in biochar-induced growth promotion of <i>Lolium perenne</i> . <i>FEMS Microbiology Ecology</i> , 2014, 90, 78-91.	1.3	107
47	Microbial and microfaunal communities in phosphorus limited, grazed grassland change composition but maintain homeostatic nutrient stoichiometry. <i>Soil Biology and Biochemistry</i> , 2014, 75, 94-101.	4.2	41
48	Clay mineral type effect on bacterial enteropathogen survival in soil. <i>Science of the Total Environment</i> , 2014, 468-469, 302-305.	3.9	45
49	Insights into the resistance and resilience of the soil microbial community. <i>FEMS Microbiology Reviews</i> , 2013, 37, 112-129.	3.9	754
50	Effect of organic, conventional and mixed cultivation practices on soil microbial community structure and nematode abundance in a cultivated onion crop. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 3700-3709.	1.7	54
51	Long-term phosphorus fertilisation increased the diversity of the total bacterial community and the phoD phosphorus mineraliser group in pasture soils. <i>Biology and Fertility of Soils</i> , 2013, 49, 661-672.	2.3	257
52	Pyrolysis-mass spectrometry confirms enrichment of lignin in the faeces of a wood-feeding termite, <i>Zootermopsis nevadensis</i> and depletion of peptides in a soil-feeder, <i>Cubitermes ugandensis</i> . <i>Soil Biology and Biochemistry</i> , 2013, 57, 957-959.	4.2	16
53	The practicalities and pitfalls of establishing a policy-relevant and cost-effective soil biological monitoring scheme. <i>Integrated Environmental Assessment and Management</i> , 2013, 9, 276-284.	1.6	34
54	Connecting the Green and Brown Worlds. <i>Advances in Ecological Research</i> , 2013, 49, 69-175.	1.4	84

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55	General Surveillance of the soil ecosystem: An approach to monitoring unexpected adverse effects of GMO's. <i>Ecological Indicators</i> , 2012, 14, 107-113.	2.6	15
56	Bioindication potential of using molecular characterisation of the nematode community: Response to soil tillage. <i>European Journal of Soil Biology</i> , 2012, 49, 92-97.	1.4	30
57	Dynamics of nematode assemblages and soil function in adjacent restored and degraded soils following disturbance. <i>European Journal of Soil Biology</i> , 2012, 49, 37-46.	1.4	22
58	C:N:P stoichiometry and nutrient limitation of the soil microbial biomass in a grazed grassland site under experimental P limitation or excess. <i>Ecological Processes</i> , 2012, 1, .	1.6	160
59	Maize residue application reduces negative effects of soil salinity on the growth and reproduction of the earthworm <i>Aporrectodea trapezoides</i> , in a soil mesocosm experiment. <i>Soil Biology and Biochemistry</i> , 2012, 49, 46-51.	4.2	21
60	Crop resistance traits modify the effects of an aboveground herbivore, brown planthopper, on soil microbial biomass and nematode community via changes to plant performance. <i>Soil Biology and Biochemistry</i> , 2012, 49, 157-166.	4.2	7
61	A novel molecular approach for rapid assessment of soil nematode assemblages "variation, validation and potential applications. <i>Methods in Ecology and Evolution</i> , 2012, 3, 12-23.	2.2	26
62	Reflections on plant and soil nematode ecology: past, present and future. <i>Journal of Nematology</i> , 2012, 44, 115-26.	0.4	34
63	Carbon mineralization kinetics and soil biological characteristics as influenced by manure addition in soil incubated at a range of temperatures. <i>European Journal of Soil Biology</i> , 2011, 47, 392-399.	1.4	35
64	Soil Nitrogen Availability Is Reflected in the Bacterial Pathway. <i>Pedosphere</i> , 2011, 21, 26-30.	2.1	4
65	Does soil biology hold the key to optimized slurry management? A manifesto for research. <i>Soil Use and Management</i> , 2011, 27, 464-469.	2.6	7
66	Greater coverage of the phylum Nematoda in SSU rDNA studies. <i>Biology and Fertility of Soils</i> , 2011, 47, 333-339.	2.3	15
67	Earthworms Reduce the Abundance of Nematodes and Enchytraeids in a Soil Mesocosm Experiment Despite Abundant Food Resources. <i>Soil Science Society of America Journal</i> , 2011, 75, 1774-1778.	1.2	7
68	Stimulatory effects of bacterial-feeding nematodes on plant growth vary with nematode species. <i>Nematology</i> , 2011, 13, 369-372.	0.2	16
69	Long-term effect of re-vegetation on the microbial community of a severely eroded soil in sub-tropical China. <i>Plant and Soil</i> , 2010, 328, 447-458.	1.8	50
70	Does microbial habitat or community structure drive the functional stability of microbes to stresses following re-vegetation of a severely degraded soil?. <i>Soil Biology and Biochemistry</i> , 2010, 42, 850-859.	4.2	60
71	Implications of the proposed Soil Framework Directive on agricultural systems in Atlantic Europe " a review. <i>Soil Use and Management</i> , 2010, 26, 198-211.	2.6	45
72	Plant treatment, pollutant load, and soil type effects in rhizosphere ecology of trace element polluted soils. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 970-981.	2.9	8

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73	A comparison of molecular methods for monitoring soil nematodes and their use as biological indicators. <i>European Journal of Soil Biology</i> , 2010, 46, 319-324.	1.4	38
74	Influence of bacterial-feeding nematodes on nitrification and the ammonia-oxidizing bacteria (AOB) community composition. <i>Applied Soil Ecology</i> , 2010, 45, 131-137.	2.1	59
75	Integrating soil quality changes to arable agricultural systems following organic matter addition, or adoption of a ley-arable rotation. <i>Applied Soil Ecology</i> , 2010, 46, 43-53.	2.1	76
76	Earthworms change the abundance and community structure of nematodes and protozoa in a maize residue amended rice-wheat rotation agro-ecosystem. <i>Soil Biology and Biochemistry</i> , 2009, 41, 898-904.	4.2	31
77	Rhizosphere fauna: the functional and structural diversity of intimate interactions of soil fauna with plant roots. <i>Plant and Soil</i> , 2009, 321, 213-233.	1.8	235
78	Considerations for Scottish soil monitoring in the European context. <i>European Journal of Soil Science</i> , 2009, 60, 833-843.	1.8	10
79	Potential of multi-objective models for risk-based mapping of the resilience characteristics of soils: demonstration at a national level. <i>Soil Use and Management</i> , 2009, 25, 66-77.	2.6	13
80	The effect of long-term soil management on the physical and biological resilience of a range of arable and grassland soils in England. <i>Geoderma</i> , 2009, 153, 172-185.	2.3	108
81	Effects of earthworms on soil enzyme activity in an organic residue amended rice-wheat rotation agro-ecosystem. <i>Applied Soil Ecology</i> , 2009, 42, 221-226.	2.1	90
82	Soil microbial and faunal responses to herbicide tolerant maize and herbicide in two soils. <i>Plant and Soil</i> , 2008, 308, 93-103.	1.8	25
83	Functional resilience of soil microbial communities depends on both soil structure and microbial community composition. <i>Biology and Fertility of Soils</i> , 2008, 44, 745-754.	2.3	80
84	A qualitative multi-attribute model for economic and ecological assessment of genetically modified crops. <i>Ecological Modelling</i> , 2008, 215, 247-261.	1.2	74
85	DNA extraction from soil nematodes for multi-sample community studies. <i>Applied Soil Ecology</i> , 2008, 38, 20-26.	2.1	50
86	A sequential extraction procedure reveals that water management affects soil nematode communities in paddy fields. <i>Applied Soil Ecology</i> , 2008, 40, 250-259.	2.1	58
87	Restoration of Soil Physical and Biological Stability Are Not Coupled in Response to Plants and Earthworms. <i>Ecological Restoration</i> , 2008, 26, 102-104.	0.6	10
88	A study of population numbers and ecological interactions of soil and forest floor microfauna. <i>Animal Biology</i> , 2007, 57, 467-484.	0.6	7
89	A qualitative multi-attribute model for assessing the impact of cropping systems on soil quality. <i>Pedobiologia</i> , 2007, 51, 239-250.	0.5	40
90	Evaluation of effects of transgenic Bt maize on microarthropods in a European multi-site experiment. <i>Pedobiologia</i> , 2007, 51, 207-218.	0.5	51

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91	Microbial and microfaunal community structure in cropping systems with genetically modified plants. <i>Pedobiologia</i> , 2007, 51, 195-206.	0.5	64
92	Responses by earthworms to reduced tillage in herbicide tolerant maize and Bt maize cropping systems. <i>Pedobiologia</i> , 2007, 51, 219-227.	0.5	35
93	The role of laboratory, glasshouse and field scale experiments in understanding the interactions between genetically modified crops and soil ecosystems: A review of the ECOGEN project. <i>Pedobiologia</i> , 2007, 51, 251-260.	0.5	47
94	Microfaunal Interactions in the Rhizosphere, How Nematodes and Protozoa Link Above- and Belowground Processes. , 2007, , 57-71.		8
95	Varietal effects of eight paired lines of transgenic Bt maize and near-isogenic non-Bt maize on soil microbial and nematode community structure. <i>Plant Biotechnology Journal</i> , 2007, 5, 60-68.	4.1	72
96	The biological and physical stability and resilience of a selection of Scottish soils to stresses. <i>European Journal of Soil Science</i> , 2007, 58, 811-821.	1.8	79
97	Physical resilience of soil to field compaction and the interactions with plant growth and microbial community structure. <i>European Journal of Soil Science</i> , 2007, 58, 1221-1232.	1.8	84
98	Do bacterial-feeding nematodes stimulate root proliferation through hormonal effects?. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1816-1819.	4.2	28
99	Molecular sequencing and morphological analysis of a nematode community. <i>Applied Soil Ecology</i> , 2006, 32, 325-337.	2.1	58
100	Soil fauna—microbe interactions: towards a conceptual framework for research. <i>European Journal of Soil Biology</i> , 2006, 42, S54-S60.	1.4	25
101	Consequences for <i>Protaphorura armata</i> (Collembola: Onychiuridae) following exposure to genetically modified <i>Bacillus thuringiensis</i> (Bt) maize and non-Bt maize. <i>Environmental Pollution</i> , 2006, 142, 212-216.	3.7	47
102	Soil Microbial and Faunal Community Responses to Bt Maize and Insecticide in Two Soils. <i>Journal of Environmental Quality</i> , 2006, 35, 734-741.	1.0	102
103	Decomposition processes under Bt ( <i>Bacillus thuringiensis</i> ) maize: Results of a multi-site experiment. <i>Soil Biology and Biochemistry</i> , 2006, 38, 195-199.	4.2	54
104	Bacterial-feeding nematodes enhance root growth of tomato seedlings. <i>Soil Biology and Biochemistry</i> , 2006, 38, 1615-1622.	4.2	46
105	Functional resilience of microbial communities from perturbed upland grassland soils to further persistent or transient stresses. <i>Soil Biology and Biochemistry</i> , 2006, 38, 2300-2306.	4.2	29
106	Ecological interactions between fungi, other biota and forest litter composition in a unique Scottish woodland. <i>Forestry</i> , 2006, 79, 201-216.	1.2	22
107	Ecological study of the forest litter meiofauna of a unique Scottish woodland. <i>Animal Biology</i> , 2006, 56, 69-93.	0.6	5
108	Root cap influences root colonisation by <i>Pseudomonas fluorescens</i> SBW25 on maize. <i>FEMS Microbiology Ecology</i> , 2005, 54, 123-130.	1.3	53



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109	Biological and physical resilience of soil amended with heavy metal-contaminated sewage sludge. <i>European Journal of Soil Science</i> , 2005, 56, 197-206.	1.8	55
110	A Comparison of Soil Microbial Community Structure, Protozoa and Nematodes in Field Plots of Conventional and Genetically Modified Maize Expressing the <i>Bacillus thuringiensis</i> CryIAb Toxin. <i>Plant and Soil</i> , 2005, 275, 135-146.	1.8	110
111	Root Border Cells Take Up and Release Glucose-C. <i>Annals of Botany</i> , 2004, 93, 221-224.	1.4	30
112	Community-level responses of metabolically-active soil microorganisms to the quantity and quality of substrate inputs. <i>Soil Biology and Biochemistry</i> , 2004, 36, 841-848.	4.2	68
113	Some aspects of interrelations between fungi and other biota in forest soil. <i>Mycological Research</i> , 2004, 108, 933-946.	2.5	24
114	Trophic interactions in changing landscapes: responses of soil food webs. <i>Basic and Applied Ecology</i> , 2004, 5, 495-503.	1.2	100
115	The Relationship between Microbial Community Structure and Functional Stability, Tested Experimentally in an Upland Pasture Soil. <i>Microbial Ecology</i> , 2004, 47, 104-113.	1.4	180
116	The Impact of Bacterial Diet on the Migration and Navigation of <i>Caenorhabditis elegans</i> . <i>Microbial Ecology</i> , 2004, 48, 358-365.	1.4	20
117	Spatial structure in soil chemical and microbiological properties in an upland grassland. <i>FEMS Microbiology Ecology</i> , 2004, 49, 191-205.	1.3	154
118	Assessing shifts in microbial community structure across a range of grasslands of differing management intensity using CLPP, PLFA and community DNA techniques. <i>Applied Soil Ecology</i> , 2004, 25, 63-84.	2.1	331
119	Some aspects of complex interactions involving soil mesofauna: analysis of the results from a Scottish woodland. <i>Ecological Modelling</i> , 2003, 170, 441-452.	1.2	21
120	Ecological interactions of heterotrophic flagellates, ciliates and naked amoebae in forest litter of the Dawyck Cryptogamic Sanctuary (Scotland, UK). <i>European Journal of Protistology</i> , 2003, 39, 183-198.	0.5	10
121	Microbial population dynamics related to temporal variations in nitrification in three arable fields. <i>European Journal of Soil Science</i> , 2003, 54, 707-714.	1.8	20
122	Soil factors determined nematode community composition in a two year pot experiment. <i>Nematology</i> , 2003, 5, 889-897.	0.2	28
123	Does the Presence of Detached Root Border Cells of <i>Zea mays</i> Alter the Activity of the Pathogenic Nematode <i>Meloidogyne incognita</i> ?. <i>Phytopathology</i> , 2003, 93, 1111-1114.	1.1	22
124	The extent to which nematode communities are affected by soil factors-a pot experiment. <i>Nematology</i> , 2002, 4, 943-952.	0.2	23
125	Impact of Protozoan Grazing on Bacterial Community Structure in Soil Microcosms. <i>Applied and Environmental Microbiology</i> , 2002, 68, 6094-6105.	1.4	300
126	Meeting on the Microbiology of Soils, Autumn 2001. <i>European Journal of Protistology</i> , 2002, 37, 371-373.	0.5	3



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127	Protozoa, nematodes and N-mineralization across a prescribed soil textural gradient. <i>Pedobiologia</i> , 2001, 45, 481-495.	0.5	19
128	Functional stability, substrate utilisation and biological indicators of soils following environmental impacts. <i>Applied Soil Ecology</i> , 2001, 16, 49-61.	2.1	196
129	An examination of the biodiversity-ecosystem function relationship in arable soil microbial communities. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1713-1722.	4.2	244
130	The role played by microorganisms in the biogenesis of soil cracks: importance of substrate quantity and quality. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1851-1858.	4.2	41
131	Effects of soil decomposer invertebrates (protozoa and earthworms) on an above-ground phytophagous insect (cereal aphid) mediated through changes in the host plant. <i>Oikos</i> , 2001, 95, 441-450.	1.2	117
132	Quantitative Estimation of Flagellate Community Structure and Diversity in Soil Samples. <i>Protist</i> , 2001, 152, 301-314.	0.6	57
133	Sloughing of cap cells and carbon exudation from maize seedling roots in compacted sand. <i>New Phytologist</i> , 2000, 145, 477-482.	3.5	114
134	Spatial and physical heterogeneity of N supply from soil does not influence N capture by two grass species. <i>Functional Ecology</i> , 2000, 14, 645-653.	1.7	57
135	Testing genetically engineered potato, producing the lectins GNA and Con A, on non-target soil organisms and processes. <i>Journal of Applied Ecology</i> , 2000, 37, 159-170.	1.9	80
136	Competition between roots and soil micro-organisms for nutrients from nitrogen-rich patches of varying complexity. <i>Journal of Ecology</i> , 2000, 88, 150-164.	1.9	169
137	Ecosystem response of pasture soil communities to fumigation-induced microbial diversity reductions: an examination of the biodiversity-ecosystem function relationship. <i>Oikos</i> , 2000, 90, 279-294.	1.2	529
138	Food preferences of earthworms for soil fungi. <i>Pedobiologia</i> , 2000, 44, 666-676.	0.5	175
139	Microbial-faunal interactions in the rhizosphere and effects on plant growth. <i>European Journal of Soil Biology</i> , 2000, 36, 135-147.	1.4	163
140	%G+C profiling and cross hybridisation of microbial DNA reveals great variation in below-ground community structure in UK upland grasslands. <i>Applied Soil Ecology</i> , 2000, 14, 125-134.	2.1	43
141	Substrate heterogeneity and microfauna in soil organic "hotspots" as determinants of nitrogen capture and growth of ryegrass. <i>Applied Soil Ecology</i> , 2000, 14, 37-53.	2.1	146
142	Plant N capture and microfaunal dynamics from decomposing grass and earthworm residues in soil. <i>Soil Biology and Biochemistry</i> , 2000, 32, 1763-1772.	4.2	49
143	Plant root proliferation in nitrogen-rich patches confers competitive advantage. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 431-435.	1.2	293
144	Why plants bother: root proliferation results in increased nitrogen capture from an organic patch when two grasses compete. <i>Plant, Cell and Environment</i> , 1999, 22, 811-820.	2.8	288

#	ARTICLE	IF	CITATIONS
145	Plant, soil fauna and microbial responses to N-rich organic patches of contrasting temporal availability. <i>Soil Biology and Biochemistry</i> , 1999, 31, 1517-1530.	4.2	57
146	Links between substrate additions, native microbes, and the structural complexity and stability of soils. <i>Soil Biology and Biochemistry</i> , 1999, 31, 1541-1547.	4.2	17
147	Broad-scale analysis of soil microbial community DNA from Upland grasslands. <i>Antonie Van Leeuwenhoek</i> , 1998, 73, 9-14.	0.7	19
148	Root proliferation, soil fauna and plant nitrogen capture from nutrient-rich patches in soil. <i>New Phytologist</i> , 1998, 139, 479-494.	3.5	145
149	Nematode ( <i>Caenorhabditis elegans</i> ) movement in sand as affected by particle size, moisture and the presence of bacteria ( <i>Escherichia coli</i> ). <i>European Journal of Soil Science</i> , 1998, 49, 237-241.	1.8	37
150	Ryegrass rhizosphere microbial community structure under elevated carbon dioxide concentrations, with observations on wheat rhizosphere. <i>Soil Biology and Biochemistry</i> , 1998, 30, 315-321.	4.2	47
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