

Karl Ritz

List of Publications by Year in descending order

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Version: 2024-02-01

168
papers

10,695
citations

31976

53
h-index

36028

97
g-index

172
all docs

172
docs citations

172
times ranked

9754
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutrient and trace element concentrations influence greenhouse gas emissions from Malaysian tropical peatlands. <i>Soil Use and Management</i> , 2021, 37, 138-150.	4.9	10
2	Significant structural evolution of a long-term fallow soil in response to agricultural management practices requires at least 10 years after conversion. <i>European Journal of Soil Science</i> , 2021, 72, 829-841.	3.9	9
3	The Impact of Disturbed Soil Structure on the Degradation of 2 Fungicides Under Constant and Variable Moisture. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2715-2725.	4.3	2
4	Maize-Brachiaria intercropping: A strategy to supply recycled N to maize and reduce soil N ₂ O emissions?. <i>Agriculture, Ecosystems and Environment</i> , 2021, 319, 107491.	5.3	14
5	Development and application of a DNA metabarcoding method for comprehensive analysis of soil nematode communities. <i>Applied Soil Ecology</i> , 2021, 166, 103974.	4.3	17
6	Impacts of conversion from natural forest to cedar plantation on the structure and diversity of root-associated and soil microbial communities. <i>Applied Soil Ecology</i> , 2021, 167, 104027.	4.3	16
7	Reorganisation of rhizosphere soil pore structure by wild plant species in compacted soils. <i>Journal of Experimental Botany</i> , 2020, 71, 6107-6115.	4.8	14
8	Soil as an extended composite phenotype of the microbial metagenome. <i>Scientific Reports</i> , 2020, 10, 10649.	3.3	41
9	Land-Use Changes Associated with Oil Palm Plantations Impact PLFA Microbial Phenotypic Community Structure throughout the Depth of Tropical Peats. <i>Wetlands</i> , 2020, 40, 2351-2366.	1.5	9
10	Is Intercropping an Environmentally-Wise Alternative to Established Oil Palm Monoculture in Tropical Peatlands?. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	10
11	Phacelia (<i>Phacelia tanacetifolia</i> Benth.) affects soil structure differently depending on soil texture. <i>Plant and Soil</i> , 2019, 441, 543-554.	3.7	15
12	GHG emission under different cropping systems in some Histosols of Malaysia. <i>Geoderma Regional</i> , 2019, 18, e00229.	2.1	9
13	Cover crop species have contrasting influence upon soil structural genesis and microbial community phenotype. <i>Scientific Reports</i> , 2019, 9, 7473.	3.3	36
14	Environmental impacts as affected by different oil palm cropping systems in tropical peatlands. <i>Agriculture, Ecosystems and Environment</i> , 2019, 276, 8-20.	5.3	22
15	Are secondary forests second-rate? Comparing peatland greenhouse gas emissions, chemical and microbial community properties between primary and secondary forests in Peninsular Malaysia. <i>Science of the Total Environment</i> , 2019, 655, 220-231.	8.0	27
16	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.	1.1	11
17	Soil seal development under simulated rainfall: Structural, physical and hydrological dynamics. <i>Journal of Hydrology</i> , 2018, 556, 211-219.	5.4	75
18	TopCap: A Tool to Quantify Soil Surface Topology and Subsurface Structure. <i>Vadose Zone Journal</i> , 2018, 17, 1-10.	2.2	3

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19	Risk Assessment of E. coli 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, .	3.9	5
20	Effects of cropping systems upon the three-dimensional architecture of soil systems are modulated by texture. <i>Geoderma</i> , 2018, 332, 73-83.	5.1	51
21	Evidence for functional state transitions in intensively-managed soil ecosystems. <i>Scientific Reports</i> , 2018, 8, 11522.	3.3	16
22	Shaping 3D Root System Architecture. <i>Current Biology</i> , 2017, 27, R919-R930.	3.9	162
23	Developmental morphology of cover crop species exhibit contrasting behaviour to changes in soil bulk density, revealed by X-ray computed tomography. <i>PLoS ONE</i> , 2017, 12, e0181872.	2.5	48
24	On the origin of carbon dioxide released from rewetted soils. <i>Soil Biology and Biochemistry</i> , 2016, 101, 1-5.	8.8	53
25	Distinct respiratory responses of soils to complex organic substrate are governed predominantly by soil architecture and its microbial community. <i>Soil Biology and Biochemistry</i> , 2016, 103, 493-501.	8.8	17
26	Insensitivity of soil biological communities to phosphorus fertilization in intensively managed grassland systems. <i>Grass and Forage Science</i> , 2016, 71, 139-152.	2.9	17
27	Defining and quantifying the resilience of responses to disturbance: a conceptual and modelling approach from soil science. <i>Scientific Reports</i> , 2016, 6, 28426.	3.3	58
28	The holistic rhizosphere: integrating zones, processes, and semantics in the soil influenced by roots. <i>Journal of Experimental Botany</i> , 2016, 67, 3629-3643.	4.8	204
29	Nanoparticles within WWTP sludges have minimal impact on leachate quality and soil microbial community structure and function. <i>Environmental Pollution</i> , 2016, 211, 399-405.	7.5	61
30	Selection of biological indicators appropriate for European soil monitoring. <i>Applied Soil Ecology</i> , 2016, 97, 12-22.	4.3	71
31	Probing the basis of soil resilience. <i>Soil Use and Management</i> , 2015, 31, 72-81.	4.9	14
32	A review of the impacts of degradation threats on soil properties in the <scp>UK</scp>. <i>Soil Use and Management</i> , 2015, 31, 1-15.	4.9	64
33	Enteropathogen survival in soil from different land-uses is predominantly regulated by microbial community composition. <i>Applied Soil Ecology</i> , 2015, 89, 76-84.	4.3	39
34	A simple reactive-transport model of calcite precipitation in soils and other porous media. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 165, 108-122.	3.9	16
35	Does biochar interfere with standard methods for determining soil microbial biomass and phenotypic community structure?. <i>Soil Biology and Biochemistry</i> , 2015, 81, 143-146.	8.8	10
36	Plant: soil interactions in temperate multi-cropping production systems. <i>Plant and Soil</i> , 2014, 376, 1-29.	3.7	179

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37	The effects of earthworms, botanical diversity and fertiliser type on the vertical distribution of soil nutrients and plant nutrient acquisition. <i>Biology and Fertility of Soils</i> , 2013, 49, 1189-1201.	4.3	7
38	The impact of zero-valent iron nanoparticles upon soil microbial communities is context dependent. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1041-1049.	5.3	101
39	Impact of Soil Type, Biology and Temperature on the Survival of Non-Toxicogenic <i>Escherichia Coli</i> O157. <i>Biology and Environment</i> , 2013, 113, 1-6.	0.3	11
40	Engineering difference: Matrix design determines community composition in wastewater treatment systems. <i>Ecological Engineering</i> , 2012, 40, 183-188.	3.6	7
41	Microbial diversity affects self-organization of the soil microbe system with consequences for function. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1302-1310.	3.4	131
42	The effect of triclosan on microbial community structure in three soils. <i>Chemosphere</i> , 2012, 89, 1-9.	8.2	27
43	Standardisation of methods in soil microbiology: progress and challenges. <i>FEMS Microbiology Ecology</i> , 2012, 82, 1-10.	2.7	59
44	The thermodynamic efficiency of soil microbial communities subject to long-term stress is lower than those under conventional input regimes. <i>Soil Biology and Biochemistry</i> , 2012, 47, 149-157.	8.8	34
45	Does soil biology hold the key to optimized slurry management? A manifesto for research. <i>Soil Use and Management</i> , 2011, 27, 464-469.	4.9	7
46	Solvent-based washing removes lipophilic contaminant interference with phospholipid fatty acid analysis of soil communities. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2208-2212.	8.8	4
47	Effects of triclosan on soil microbial respiration. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 360-366.	4.3	42
48	Views of the underworld: in situ visualization of soil biota.. , 2011, , 1-12.		3
49	The zoological generation of soil structure.. , 2011, , 71-85.		2
50	Effects of soil surface microbial community phenotype upon physical and hydrological properties of an arable soil: a microcosm study. <i>European Journal of Soil Science</i> , 2010, 61, 493-503.	3.9	2
51	The spectral quality of light influences the temporal development of the microbial phenotype at the arable soil surface. <i>Soil Biology and Biochemistry</i> , 2009, 41, 553-560.	8.8	19
52	An inter-laboratory comparison of multi-enzyme and multiple substrate-induced respiration assays to assess method consistency in soil monitoring. <i>Biology and Fertility of Soils</i> , 2009, 45, 623-633.	4.3	28
53	Selecting biological indicators for monitoring soils: A framework for balancing scientific and technical opinion to assist policy development. <i>Ecological Indicators</i> , 2009, 9, 1212-1221.	6.3	227
54	The future of soils and land use in the UK: Soil systems for the provision of land-based ecosystem services. <i>Land Use Policy</i> , 2009, 26, S187-S197.	5.6	167

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55	Soils in Forensic Science: Underground Meets Underworld. , 2009, , 501-513.		1
56	Environmental Considerations for Common Burial Site Selection After Pandemic Events. , 2009, , 87-101.		5
57	Size and phenotypic structure of microbial communities within soil profiles in relation to different playing areas on a UK golf course. <i>European Journal of Soil Science</i> , 2008, 59, 835-841.	3.9	10
58	Earthworm community structure on five English golf courses. <i>Applied Soil Ecology</i> , 2008, 39, 336-341.	4.3	12
59	Simultaneous Preservation of Soil Structural Properties and Phospholipid Profiles: A Comparison of Three Drying Techniques. <i>Pedosphere</i> , 2008, 18, 284-287.	4.0	9
60	Soil health in agricultural systems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 685-701.	4.0	696
61	The effect of microbial communities on soil hydrological processes: A microcosm study utilising simulated rainfall. <i>Geoderma</i> , 2007, 142, 11-17.	5.1	10
62	The Plate Debate: Cultivable communities have no utility in contemporary environmental microbial ecology. <i>FEMS Microbiology Ecology</i> , 2007, 60, 358-362.	2.7	104
63	Microbial community phenotypic profiles change markedly with depth within the first centimetre of the arable soil surface. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1226-1229.	8.8	17
64	Interactions between microbial community structure and the soil environment found on golf courses. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1533-1541.	8.8	17
65	Nano-scale secondary ion mass spectrometry – A new analytical tool in biogeochemistry and soil ecology: A review article. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1835-1850.	8.8	178
66	The Development of Fungal Networks in Complex Environments. <i>Bulletin of Mathematical Biology</i> , 2007, 69, 605-634.	1.9	91
67	Bacterial Interactions At The Microscale – Linking Habitat To Function In Soil. , 2007, , 61-85.		21
68	Spatial Organisation Of Soil Fungi. , 2007, , 179-202.		7
69	Investigating microbial micro-habitat structure using X-ray computed tomography. <i>Geoderma</i> , 2006, 133, 398-407.	5.1	115
70	Analysis of soil and bacterioplankton community DNA by melting profiles and reassociation kinetics. <i>FEMS Microbiology Letters</i> , 2006, 149, 151-156.	1.8	31
71	Community DNA hybridisation and %G+C profiles of microbial communities from heavy metal polluted soils. <i>FEMS Microbiology Ecology</i> , 2006, 24, 103-112.	2.7	59
72	Impact of basidiomycete fungi on the wettability of soil contaminated with a hydrophobic polycyclic aromatic hydrocarbon. <i>Biologia (Poland)</i> , 2006, 61, S334-S338.	1.5	17

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73	Three-dimensional Microorganization of the Soilâ€“Rootâ€“Microbe System. <i>Microbial Ecology</i> , 2006, 52, 151-158.	2.8	227
74	Comment on Zhao et al. (2005) â€œDoes ergosterol concentration provide a reliable estimate of soil fungal biomass?â€• <i>Soil Biology and Biochemistry</i> , 2006, 38, 1500-1501.	8.8	8
75	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.	8.8	29
76	Inefficiency of mustard extraction technique for assessing size and structure of earthworm communities in UK pasture. <i>Soil Biology and Biochemistry</i> , 2006, 38, 2990-2992.	8.8	36
77	The habitat of soil microbes. , 2005, , 31-43.		16
78	Underview: origins and consequences of below-ground biodiversity. , 2005, , 381-401.		7
79	Towards an evolutionary ecology of life in soil. <i>Trends in Ecology and Evolution</i> , 2005, 20, 81-87.	8.7	141
80	Interactions between soil structure and fungi. <i>The Mycologist</i> , 2004, 18, 52-59.	0.4	229
81	Preferential spread of the pathogenic fungus <i>Rhizoctonia solani</i> through structured soil. <i>Soil Biology and Biochemistry</i> , 2004, 36, 203-210.	8.8	39
82	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.	8.8	68
83	Translocation of carbon by <i>Rhizoctonia solani</i> in nutritionally-heterogeneous microcosms. <i>Mycological Research</i> , 2004, 108, 453-462.	2.5	36
84	The Relationship between Microbial Community Structure and Functional Stability, Tested Experimentally in an Upland Pasture Soil. <i>Microbial Ecology</i> , 2004, 47, 104-113.	2.8	180
85	Spatial structure in soil chemical and microbiological properties in an upland grassland. <i>FEMS Microbiology Ecology</i> , 2004, 49, 191-205.	2.7	154
86	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.	4.3	331
87	An Efficient Markov Chain Model for the Simulation of Heterogeneous Soil Structure. <i>Soil Science Society of America Journal</i> , 2004, 68, 346-351.	2.2	118
88	An Efficient Markov Chain Model for the Simulation of Heterogeneous Soil Structure. <i>Soil Science Society of America Journal</i> , 2004, 68, 346.	2.2	24
89	Nutritional influence on the ability of fungal mycelia to penetrate toxic metal-containing domains. <i>Mycological Research</i> , 2003, 107, 861-871.	2.5	57
90	Growth and Function of Fungal Mycelia in Heterogeneous Environments. <i>Bulletin of Mathematical Biology</i> , 2003, 65, 447-477.	1.9	83

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91	A positive numerical scheme for a mixed-type partial differential equation model for fungal growth. <i>Applied Mathematics and Computation</i> , 2003, 138, 321-340.	2.2	27
92	Spatial distribution of bacterial communities and their relationships with the micro-architecture of soil. <i>FEMS Microbiology Ecology</i> , 2003, 44, 203-215.	2.7	291
93	Microbial population dynamics related to temporal variations in nitrification in three arable fields. <i>European Journal of Soil Science</i> , 2003, 54, 707-714.	3.9	20
94	Effect of bulk density on the spatial organisation of the fungus <i>Rhizoctonia solani</i> in soil. <i>FEMS Microbiology Ecology</i> , 2003, 44, 45-56.	2.7	100
95	A mathematical approach to studying fungal mycelia. <i>The Mycologist</i> , 2003, 17, 165-171.	0.4	22
96	In situ visualisation of fungi in soil thin sections: problems with crystallisation of the fluorochrome FB 28 (Calcofluor M2R) and improved staining by SCRI Renaissance 2200. <i>Mycological Research</i> , 2002, 106, 293-297.	2.5	22
97	Solubilization of metal phosphates by <i>Rhizoctonia solani</i> . <i>Mycological Research</i> , 2002, 106, 1468-1479.	2.5	39
98	Functional Consequences of Nutrient Translocation in Mycelial Fungi. <i>Journal of Theoretical Biology</i> , 2002, 217, 459-477.	1.7	96
99	In Situ Spatial Patterns of Soil Bacterial Populations, Mapped at Multiple Scales, in an Arable Soil. <i>Microbial Ecology</i> , 2002, 44, 296-305.	2.8	180
100	The effects of fungal inoculum arrangement (scale and context) on emergent community development in an agar model system. <i>FEMS Microbiology Ecology</i> , 2002, 39, 9-16.	2.7	12
101	Solubilization of calcium phosphate as a consequence of carbon translocation by <i>Rhizoctonia solani</i> . <i>FEMS Microbiology Ecology</i> , 2002, 40, 65-71.	2.7	71
102	Functional stability, substrate utilisation and biological indicators of soils following environmental impacts. <i>Applied Soil Ecology</i> , 2001, 16, 49-61.	4.3	196
103	A sterile environment for growing, and monitoring, micro-organisms under a range of soil matrix potentials. <i>Soil Biology and Biochemistry</i> , 2001, 33, 689-691.	8.8	5
104	An examination of the biodiversity–ecosystem function relationship in arable soil microbial communities. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1713-1722.	8.8	244
105	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.	8.8	41
106	Temporal variations in potential nitrification dynamics in soil related to differences in rates and types of carbon and nitrogen inputs. <i>Soil Biology and Biochemistry</i> , 2001, 33, 2135-2144.	8.8	38
107	Soil physics, fungal epidemiology and the spread of <i>Rhizoctonia solani</i> . <i>New Phytologist</i> , 2001, 151, 459-468.	7.3	88
108	Nutritional influence on fungal colony growth and biomass distribution in response to toxic metals. <i>FEMS Microbiology Letters</i> , 2001, 204, 311-316.	1.8	53

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109	Quantification of the in situ distribution of soil bacteria by large-scale imaging of thin sections of undisturbed soil. <i>FEMS Microbiology Ecology</i> , 2001, 37, 67-77.	2.7	104
110	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.	2.7	529
111	Tillage, habitat space and function of soil microbes. <i>Soil and Tillage Research</i> , 2000, 53, 201-213.	5.6	258
112	Changes to water repellence of soil caused by the growth of white-rot fungi: studies using a novel microcosm system. <i>FEMS Microbiology Letters</i> , 2000, 184, 73-77.	1.8	50
113	Negative fungal chemotropism to toxic metals. <i>FEMS Microbiology Letters</i> , 2000, 193, 207-211.	1.8	55
114	Food preferences of earthworms for soil fungi. <i>Pedobiologia</i> , 2000, 44, 666-676.	1.2	175
115	%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.	4.3	43
116	Colony development in nutritionally heterogeneous environments. , 1999, , 49-74.		13
117	Impact of fumigation with metam sodium upon soil microbial community structure in two Japanese soils. <i>Soil Science and Plant Nutrition</i> , 1999, 45, 207-223.	1.9	59
118	Evidence for emergent behaviour in the community-scale dynamics of a fungal microcosm. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 1947-1952.	2.6	12
119	Title is missing!. , 1999, 212, 1-11.		160
120	Broad-scale analysis of soil microbial community DNA from Upland grasslands. <i>Antonie Van Leeuwenhoek</i> , 1998, 73, 9-14.	1.7	19
121	Interspecific fungal interactions in spatially heterogeneous systems. <i>FEMS Microbiology Ecology</i> , 1998, 27, 21-32.	2.7	24
122	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.	8.8	47
123	Can there be a contemporary ecological dimension to soil biology without a habitat?. <i>Soil Biology and Biochemistry</i> , 1998, 30, 1229-1232.	8.8	56
124	Soil microbial community structure: Effects of substrate loading rates. <i>Soil Biology and Biochemistry</i> , 1998, 31, 145-153.	8.8	428
125	Interspecific fungal interactions in spatially heterogeneous systems. <i>FEMS Microbiology Ecology</i> , 1998, 27, 21-32.	2.7	1
126	Aggregation and collapse of fungal wall vesicles in hyphal tips: a model for the origin of the Spitzenkörper. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997, 352, 1963-1974.	4.0	16

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127	Effects of animal manure application and crop plants upon size and activity of soil microbial biomass under organically grown spring barley. <i>Biology and Fertility of Soils</i> , 1997, 24, 372-377.	4.3	44
128	Application of an augmented nitrification assay to elucidate the effects of a spring barley crop and manures on temporal variations in rates. <i>Biology and Fertility of Soils</i> , 1997, 24, 378-383.	4.3	12
129	Travelling waves and pattern formation in a model for fungal development. <i>Journal of Mathematical Biology</i> , 1997, 35, 589-608.	1.9	29
130	Direct extraction of microbial community DNA from humified upland soils. <i>Letters in Applied Microbiology</i> , 1997, 25, 30-33.	2.2	41
131	Effect of elevated CO ₂ on rhizosphere carbon flow and soil microbial processes. <i>Global Change Biology</i> , 1997, 3, 363-377.	9.5	163
132	Relationship between Functional Diversity and Genetic Diversity in Complex Microbial Communities. , 1997, , 1-9.		29
133	Community DNA hybridisation and %G+C profiles of microbial communities from heavy metal polluted soils. <i>FEMS Microbiology Ecology</i> , 1997, 24, 103-112.	2.7	4
134	Analysis of soil and bacterioplankton community DNA by melting profiles and reassociation kinetics. <i>FEMS Microbiology Letters</i> , 1997, 149, 151-156.	1.8	4
135	Effects of soil matric potential and bulk density on the growth of <i>Fusarium oxysporum</i> f. sp. raphani. <i>Soil Biology and Biochemistry</i> , 1996, 28, 1139-1145.	8.8	14
136	Detailed visualisation of hyphal distribution in fungal mycelia growing in heterogeneous nutritional environments. <i>Journal of Microbiological Methods</i> , 1996, 25, 23-28.	1.6	26
137	Evaluation of polyester, epoxy and acrylic resins for suitability in preparation of soil thin sections for in situ biological studies. <i>Geoderma</i> , 1996, 69, 31-57.	5.1	42
138	Survival of bacterial and fungal populations following chloroform-fumigation: Effects of soil matric potential and bulk density. <i>Soil Biology and Biochemistry</i> , 1996, 28, 1545-1547.	8.8	35
139	Microbiological factors affecting the colonisation of soil aggregates by <i>Fusarium oxysporum</i> f. sp. raphani. <i>Soil Biology and Biochemistry</i> , 1996, 28, 1513-1521.	8.8	35
140	The origins of spatial heterogeneity in vegetative mycelia: a reaction-diffusion model. <i>Mycological Research</i> , 1996, 100, 1473-1480.	2.5	42
141	Large-scale behavior of fungal mycelia. <i>Mathematical and Computer Modelling</i> , 1996, 24, 81-87.	2.0	20
142	Image analysis of space-filling by networks: Application to a fungal mycelium. <i>Biotechnology Letters</i> , 1996, 10, 205-210.	0.5	23
143	Broad-scale approaches to the determination of soil microbial community structure: Application of the community DNA hybridization technique. <i>Microbial Ecology</i> , 1996, 31, 269-80.	2.8	40
144	Dynamics of mineral nitrogen in soils supporting potato crops. <i>Biology and Fertility of Soils</i> , 1995, 19, 36-40.	4.3	5

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145	Growth responses of some soil fungi to spatially heterogeneous nutrients. FEMS Microbiology Ecology, 1995, 16, 269-280.	2.7	83
146	Effects of compost stability on plant growth, microbiological parameters and nitrogen availability in media containing mixed garden-waste compost. Bioresource Technology, 1995, 54, 279-284.	9.6	29
147	Growth responses of some soil fungi to spatially heterogeneous nutrients. FEMS Microbiology Ecology, 1995, 16, 269-279.	2.7	4
148	Nematodes as indicators of enhanced microbiological activity in a Scottish organic farming system. Soil Use and Management, 1994, 10, 20-24.	4.9	69
149	Potential application of a community hybridization technique for assessing changes in the population structure of soil microbial communities. Soil Biology and Biochemistry, 1994, 26, 963-971.	8.8	33
150	Quantification of fungal morphology, gaseous transport and microbial dynamics in soil: an integrated framework utilising fractal geometry. Geoderma, 1993, 56, 157-172.	5.1	109
151	Quantification of fungal morphology, gaseous transport and microbial dynamics in soil: an integrated framework utilising fractal geometry. , 1993, , 157-172.		2
152	Soil microbial biomass and activity under a potato crop fertilised with N with and without C. Biology and Fertility of Soils, 1992, 12, 265-271.	4.3	35
153	Variations in the rates of nitrification and denitrification during the growth of potatoes (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overload plant yield. Biology and Fertility of Soils, 1991, 11, 157-162.	4.3	29
154	Microbial biomass and mineral N transformations in soil planted with barley, ryegrass, pea or turnip. Plant and Soil, 1990, 127, 157-167.	3.7	72
155	Quantification of the fractal nature of colonies of <i>Trichoderma viride</i> . Mycological Research, 1990, 94, 1138-1141.	2.5	88
156	Root-induced nitrogen mineralisation: A theoretical analysis. Plant and Soil, 1989, 117, 185-193.	3.7	63
157	Freezing as a means of preserving samples in soil respiration studies. Biology and Fertility of Soils, 1989, 8, 95.	4.3	6
158	Effects of water amendment on basal and substrate-induced respiration rates of mineral soils. Biology and Fertility of Soils, 1989, 8, 242.	4.3	8
159	Temporal variations in soil microbial biomass C and N under a spring barley crop. Soil Biology and Biochemistry, 1988, 20, 625-630.	8.8	27
160	A technique to extract, enumerate and measure protozoa from mineral soils. Soil Biology and Biochemistry, 1988, 20, 163-173.	8.8	54
161	Effects of carbon and nitrate additions to soil upon leaching of nitrate, microbial predators and nitrogen uptake by plants. Plant and Soil, 1987, 102, 229-237.	3.7	32
162	Nutrient transport between ryegrass plants differing in nutrient status. Oecologia, 1986, 70, 128-131.	2.0	18

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163	The preparation of soil thin sections for biological studies. <i>Journal of Soil Science</i> , 1986, 37, 681-690.	1.2	48
164	EVIDENCE ON THE PATHWAYS OF PHOSPHORUS TRANSFER BETWEEN VESICULAR & ARBUSCULAR MYCORRHIZAL PLANTS. <i>New Phytologist</i> , 1986, 104, 77-87.	7.3	63
165	Evidence for Rapid Cycling of Phosphorus from Dying Roots to Living Plants. <i>Oikos</i> , 1985, 45, 174.	2.7	36
166	Slow-release ¹⁵ N fertilizer formulations to measure N ₂ -fixation by isotope dilution. <i>Soil Biology and Biochemistry</i> , 1984, 16, 657-661.	8.8	66
167	Movement of ³² P between Intact Grassland Plants of the Same Age. <i>Oikos</i> , 1984, 43, 138.	2.7	21
168	Fungal roles in transport processes in soils. , 0, , 51-73.		7