

Roland Bol

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8624740/publications.pdf>

Version: 2024-02-01

280
papers

14,438
citations

22153

59
h-index

29157

104
g-index

299
all docs

299
docs citations

299
times ranked

13210
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved estimation and prediction of the wind-erodible fraction for Aridisols in arid southeast Tunisia. <i>Catena</i> , 2022, 211, 106001.	5.0	9
2	CO ₂ emission and source partitioning from carbonate and non-carbonate soils during incubation. <i>Pedosphere</i> , 2022, 32, 452-462.	4.0	2
3	Effects of altitude on soil properties in coastal fog ecosystems in Morro Moreno National Park, Antofagasta, Chile. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	4
4	Globally elevated chemical weathering rates beneath glaciers. <i>Nature Communications</i> , 2022, 13, 407.	12.8	20
5	Potential denitrification activity response to long-term nitrogen fertilization - A global meta-analysis. <i>Journal of Cleaner Production</i> , 2022, 336, 130451.	9.3	15
6	Dust and aerosols in the Atacama Desert. <i>Earth-Science Reviews</i> , 2022, 226, 103925.	9.1	12
7	Fertilizer P-derived uranium continues to accumulate at Rothamsted long-term experiments. <i>Science of the Total Environment</i> , 2022, 820, 153118.	8.0	6
8	Home-Field Advantage of Litter Decomposition Faded 8 Years after Spruce Forest Clearcutting in Western Germany. <i>Soil Systems</i> , 2022, 6, 26.	2.6	1
9	Soil OC and N Stocks in the Saline Soil of Tunisian Gataaya Oasis Eight Years after Application of Manure and Compost. <i>Land</i> , 2022, 11, 442.	2.9	3
10	Fairy ring-induced soil potassium depletion gradients reshape microbial community composition in a montane grassland. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	3
11	Transport and Retention of Poly(Acrylic Acid-co-Maleic Acid) Coated Magnetite Nanoparticles in Porous Media: Effect of Input Concentration, Ionic Strength and Grain Size. <i>Nanomaterials</i> , 2022, 12, 1536.	4.1	1
12	Low-level nitrogen and short-term addition increase soil carbon sequestration in Chinese forest ecosystems. <i>Catena</i> , 2022, 215, 106333.	5.0	5
13	Microbial regulation of net N mineralisation is driven by C, N, P content and stoichiometry. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	5
14	Organic Carbon Speciation in Urban Anthrosols – The Legacy of Historical Waste Management. <i>Soil Systems</i> , 2022, 6, 53.	2.6	2
15	Iron isotope fractionation in soil and graminaceous crops after 100 years of liming in the long-term agricultural experimental site at Berlin-Dahlem, Germany. <i>European Journal of Soil Science</i> , 2021, 72, 289-299.	3.9	2
16	A century of liming affects the Mg isotopic composition of the soil and crops in a long-term agricultural field at Berlin-Dahlem, Germany. <i>European Journal of Soil Science</i> , 2021, 72, 300-312.	3.9	1
17	Meet the Editors – Roland Bol. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9026.	1.5	0
18	Stable isotopic signatures of carbon and nitrogen in soil aggregates following the conversion of natural forests to managed plantations in eastern China. <i>Plant and Soil</i> , 2021, 459, 371-385.	3.7	7

#	ARTICLE	IF	CITATIONS
19	Forest Soil Colloids Enhance Delivery of Phosphorus Into a Diffusive Gradient in Thin Films (DGT) Sink. <i>Frontiers in Forests and Global Change</i> , 2021, 3, .	2.3	13
20	Long-Term Compost Application and the Impact of Soil P Legacy on the Enhancement of Early Maize Growth. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 873-881.	3.4	5
21	Redox-driven changes in water-dispersible colloids and their role in carbon cycling in hydromorphic soils. <i>Geoderma</i> , 2021, 385, 114894.	5.1	10
22	Bentonite clay combined with organic amendments to enhance soil fertility in oasis agrosystem. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	4
23	Carbon stability in a Scottish lowland raised bog: potential legacy effects of historical land use and implications for global change. <i>Soil Biology and Biochemistry</i> , 2021, 154, 108124.	8.8	5
24	Organic Carbon Linkage with Soil Colloidal Phosphorus at Regional and Field Scales: Insights from Size Fractionation of Fine Particles. <i>Environmental Science & Technology</i> , 2021, 55, 5815-5825.	10.0	32
25	Describing Phosphorus Sorption Processes on Volcanic Soil in the Presence of Copper or Silver Engineered Nanoparticles. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 373.	2.0	7
26	Colloidal catchment response to snowmelt and precipitation events differs in a forested headwater catchment. <i>Vadose Zone Journal</i> , 2021, 20, e20126.	2.2	4
27	Variation in the rate of land subsidence induced by groundwater extraction and its effect on the response pattern of soil microbial communities. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 1898-1908.	2.5	2
28	Exponential relationship between N ₂ O emission and fertilizer nitrogen input and mechanisms for improving fertilizer nitrogen efficiency under intensive plastic-shed vegetable production in China: A systematic analysis. <i>Agriculture, Ecosystems and Environment</i> , 2021, 312, 107353.	5.3	19
29	Citric Acid Effect on the Abundance, Size and Composition of Water-Dispersible Soil Colloids and Its Relationship to Soil Phosphorus Desorption: A Case Study. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 2436-2446.	3.4	9
30	Cellulose-Based Hectocycle Nanopolymers: Synthesis, Molecular Docking and Adsorption of Difenconazole from Aqueous Medium. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6090.	4.1	24
31	Microbial potential for denitrification in the hyperarid Atacama Desert soils. <i>Soil Biology and Biochemistry</i> , 2021, 157, 108248.	8.8	13
32	Influences of irrigation and fertilization on soil N cycle and losses from wheat-maize cropping system in northern China. <i>Environmental Pollution</i> , 2021, 278, 116852.	7.5	26
33	Distributions of straw-derived carbon in Mollisol aggregates under different fertilization practices. <i>Scientific Reports</i> , 2021, 11, 17899.	3.3	6
34	Differential long-term fertilization alters residue-derived labile organic carbon fractions and microbial community during straw residue decomposition. <i>Soil and Tillage Research</i> , 2021, 213, 105120.	5.6	31
35	Water dispersible colloids and related nutrient availability in Amazonian Terra Preta soils. <i>Geoderma</i> , 2021, 397, 115103.	5.1	18
36	Phosphate oxygen isotope fingerprints of past biological activity in the Atacama Desert. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 311, 1-11.	3.9	6

#	ARTICLE	IF	CITATIONS
37	What is the deal with the Green Deal: Will the new strategy help to improve European freshwater quality beyond the Water Framework Directive?. <i>Science of the Total Environment</i> , 2021, 791, 148080.	8.0	27
38	Novel, Environment-Friendly Cellulose-Based Derivatives for Tetraconazole Removal from Aqueous Solution. <i>Polymers</i> , 2021, 13, 450.	4.5	9
39	Phenoloxidase activity and organic carbon dynamics in historic Anthrosols in Scotland, UK. <i>PLoS ONE</i> , 2021, 16, e0259205.	2.5	3
40	GPR and EMI characterization of the hyperarid study site of Yungay, Chile: Implications of applying geophysical methods on Mars. <i>Earth and Space Science</i> , 2021, 8, e2021EA001790.	2.6	2
41	Tracing elevational changes in microbial life and organic carbon sources in soils of the Atacama Desert. <i>Global and Planetary Change</i> , 2020, 184, 103078.	3.5	37
42	â€˜Co-evolutionâ€™ of uranium concentration and oxygen stable isotope in phosphate rocks. <i>Applied Geochemistry</i> , 2020, 114, 104476.	3.0	13
43	Contrasting depth distribution of colloid-associated phosphorus in the active and abandoned sections of an alluvial fan in a hyper-arid region of the Atacama Desert. <i>Global and Planetary Change</i> , 2020, 185, 103090.	3.5	17
44	Enhanced soil aggregate stability limits colloidal phosphorus loss potentials in agricultural systems. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	25
45	Enhanced Ibuprofen Adsorption and Desorption on Synthesized Functionalized Magnetic Multiwall Carbon Nanotubes from Aqueous Solution. <i>Materials</i> , 2020, 13, 3329.	2.9	48
46	Towards a global-scale soil climate mitigation strategy. <i>Nature Communications</i> , 2020, 11, 5427.	12.8	302
47	Bioavailability and -accessibility of subsoil allocated ³³ P-labelled hydroxyapatite to wheat under different moisture supply. <i>Scientific Reports</i> , 2020, 10, 17140.	3.3	6
48	Magnetic Multiwall Carbon Nanotube Decorated with Novel Functionalities: Synthesis and Application as Adsorbents for Lead Removal from Aqueous Medium. <i>Processes</i> , 2020, 8, 986.	2.8	13
49	Uranium Vertical and Lateral Distribution in a German Forested Catchment. <i>Forests</i> , 2020, 11, 1351.	2.1	1
50	Microbial assimilation dynamics differs but total mineralization from added root and shoot residues is similar in agricultural Alfisols. <i>Soil Biology and Biochemistry</i> , 2020, 148, 107901.	8.8	20
51	Resilience in coastal dune grasslands: pH and soil organic matter effects on P nutrition, plant strategies, and soil communities. <i>Ecosphere</i> , 2020, 11, e03112.	2.2	12
52	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.	3.7	18
53	Intensive organic vegetable production increases soil organic carbon but with a lower carbon conversion efficiency than integrated management. <i>Journal of Plant Nutrition and Soil Science</i> , 2020, 183, 155-168.	1.9	4
54	Non-critical uranium accumulation in soils of German and Danish long-term fertilizer experiments. <i>Geoderma</i> , 2020, 370, 114336.	5.1	11

#	ARTICLE	IF	CITATIONS
55	Nitrogen Additions Retard Nutrient Release from Two Contrasting Foliar Litters in a Subtropical Forest, Southwest China. <i>Forests</i> , 2020, 11, 377.	2.1	7
56	Critical accumulation of fertilizer-derived uranium in Icelandic grassland Andosol. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	11
57	Carbon accrual in the Atacama Desert. <i>Global and Planetary Change</i> , 2019, 181, 102993.	3.5	37
58	Insights into phosphorus utilisation from Fe- and Al-hydroxides in Luvisol and Ferralsol subsoils. <i>Soil Research</i> , 2019, 57, 447.	1.1	5
59	Quantifying N ₂ O reduction to N ₂ during denitrification in soils via isotopic mapping approach: Model evaluation and uncertainty analysis. <i>Environmental Research</i> , 2019, 179, 108806.	7.5	46
60	Effects of land use change from natural forest to plantation on C, N and natural abundance of ¹³ C and ¹⁵ N along a climate gradient in eastern China. <i>Scientific Reports</i> , 2019, 9, 16516.	3.3	25
61	Soil Organic Matter Composition in Coastal and Continental Date Palm Systems: Insights from Tunisian Oases. <i>Pedosphere</i> , 2019, 29, 444-456.	4.0	14
62	Occurrence of Soil Fungi in Antarctic Pristine Environments. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 28.	4.1	45
63	Soil organic matter priming and carbon balance after straw addition is regulated by long-term fertilization. <i>Soil Biology and Biochemistry</i> , 2019, 135, 383-391.	8.8	81
64	Soil NO ₃ ⁻ level and O ₂ availability are key factors in controlling N ₂ O reduction to N ₂ following long-term liming of an acidic sandy soil. <i>Soil Biology and Biochemistry</i> , 2019, 132, 165-173.	8.8	61
65	Iron cycling and isotope fractionation in terrestrial ecosystems. <i>Earth-Science Reviews</i> , 2019, 190, 323-352.	9.1	62
66	Conservation farming practices in winter wheat–summer maize cropping reduce GHG emissions and maintain high yields. <i>Agriculture, Ecosystems and Environment</i> , 2019, 272, 266-275.	5.3	32
67	Improved isotopic model based on ¹⁵ N tracing and Rayleigh-type isotope fractionation for simulating differential sources of N ₂ O emissions in a clay grassland soil. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 449-460.	1.5	3
68	Variation of ¹³ C and ¹⁵ N enrichments in different plant components of labeled winter wheat (<i>Triticum aestivum</i> L.). <i>PeerJ</i> , 2019, 7, e7738.	2.0	4
69	Measuring root system traits of wheat in 2D images to parameterize 3D root architecture models. <i>Plant and Soil</i> , 2018, 425, 457-477.	3.7	21
70	Leaching of natural colloids from forest topsoils and their relevance for phosphorus mobility. <i>Science of the Total Environment</i> , 2018, 634, 305-315.	8.0	74
71	Isotopic methods for non-destructive assessment of carbon dynamics in shrublands under long-term climate change manipulation. <i>Methods in Ecology and Evolution</i> , 2018, 9, 866-880.	5.2	6
72	Allocation of photosynthesized carbon in an intensively farmed winter wheat–soil system as revealed by ¹⁴ CO ₂ pulse labelling. <i>Scientific Reports</i> , 2018, 8, 3160.	3.3	16

#	ARTICLE	IF	CITATIONS
73	Potential dual effect of nitrification inhibitor 3,4-dimethylpyrazole phosphate on nitrifier denitrification in the mitigation of peak N ₂ O emission events in North China Plain cropping systems. <i>Soil Biology and Biochemistry</i> , 2018, 121, 147-153.	8.8	44
74	Organic phosphorus in the terrestrial environment: a perspective on the state of the art and future priorities. <i>Plant and Soil</i> , 2018, 427, 191-208.	3.7	145
75	Effect of long-term drainage on plant community, soil carbon and nitrogen contents and stable isotopic (¹³ C, ¹⁵ N) composition of a permanent grassland. <i>European Journal of Soil Science</i> , 2018, 69, 48-68.	3.9	5
76	Phosphorus in water dispersible-colloids of forest soil profiles. <i>Plant and Soil</i> , 2018, 427, 71-86.	3.7	51
77	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.	8.8	54
78	Straw amendment with nitrate-N decreased N ₂ O/(N ₂ O+N ₂) ratio but increased soil N ₂ O emission: A case study of direct soil-born N ₂ measurements. <i>Soil Biology and Biochemistry</i> , 2018, 127, 301-304.	8.8	49
79	Historical charcoal additions alter water extractable, particulate and bulk soil C composition and stabilization. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 809-817.	1.9	17
80	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.	8.8	61
81	Isotopic evidence of biotrophy and unusual nitrogen nutrition in soil-dwelling Hygrophoraceae. <i>Environmental Microbiology</i> , 2018, 20, 3573-3588.	3.8	18
82	The TERENO-Rur Hydrological Observatory: A Multiscale Multi-Compartment Research Platform for the Advancement of Hydrological Science. <i>Vadose Zone Journal</i> , 2018, 17, 1-22.	2.2	81
83	Effect of biochar origin and soil pH on greenhouse gas emissions from sandy and clay soils. <i>Applied Soil Ecology</i> , 2018, 129, 121-127.	4.3	98
84	Straw incorporation increases crop yield and soil organic carbon sequestration but varies under different natural conditions and farming practices in China: a system analysis. <i>Biogeosciences</i> , 2018, 15, 1933-1946.	3.3	88
85	Greenhouse gas emissions during storage of manure and digestates: Key role of methane for prediction and mitigation. <i>Agricultural Systems</i> , 2018, 166, 26-35.	6.1	52
86	Rapid wet chemical synthesis for ³³ P-labelled hydroxyapatite – An approach for environmental research. <i>Applied Geochemistry</i> , 2018, 97, 181-186.	3.0	15
87	Challenges of Reducing Phosphorus Based Water Eutrophication in the Agricultural Landscapes of Northwest Europe. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	91
88	Mitigating N ₂ O emissions from clover residues by 3,4-dimethylpyrazole phosphate (DMPP) without adverse effects on the earthworm <i>Lumbricus terrestris</i> . <i>Soil Biology and Biochemistry</i> , 2017, 104, 95-107.	8.8	29
89	A Three-Dimensional View on Soil Biogeochemistry: A Dataset for a Forested Headwater Catchment. <i>Journal of Environmental Quality</i> , 2017, 46, 210-218.	2.0	17
90	Agricultural sustainable intensification improved nitrogen use efficiency and maintained high crop yield during 1980–2014 in Northern China. <i>Science of the Total Environment</i> , 2017, 596-597, 61-68.	8.0	71

#	ARTICLE	IF	CITATIONS
91	An evaluation of the hysteresis in chemical concentration–discharge (C–Q) relationships from drained, intensively managed grasslands in southwest England. <i>Hydrological Sciences Journal</i> , 2017, 62, 1243-1254.	2.6	10
92	Altitude affects the quality of the water-extractable organic matter (WEOM) from rhizosphere and bulk soil in European beech forests. <i>Geoderma</i> , 2017, 302, 6-13.	5.1	43
93	The effect of nitrification inhibitor on N ₂ O, NO and N ₂ emissions under different soil moisture levels in a permanent grassland soil. <i>Soil Biology and Biochemistry</i> , 2017, 113, 153-160.	8.8	69
94	To Extract, or not to Extract Uranium from Phosphate Rock, that is the Question. <i>Environmental Science & Technology</i> , 2017, 51, 753-754.	10.0	54
95	Study of uranium toxicity using low-background gamma-ray spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 1367-1373.	1.5	9
96	Elemental Composition of Natural Nanoparticles and Fine Colloids in European Forest Stream Waters and Their Role as Phosphorus Carriers. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1592-1607.	4.9	48
97	Soil organic phosphorus transformations during 2000 years of paddy-rice and non-paddy management in the Yangtze River Delta, China. <i>Scientific Reports</i> , 2017, 7, 10818.	3.3	8
98	Biogas Digester Hydraulic Retention Time Affects Oxygen Consumption Patterns and Greenhouse Gas Emissions after Application of Digestate to Soil. <i>Journal of Environmental Quality</i> , 2017, 46, 1114-1122.	2.0	7
99	Effects of cattle slurry and nitrification inhibitor application on spatial soil O ₂ dynamics and N ₂ O production pathways. <i>Soil Biology and Biochemistry</i> , 2017, 114, 200-209.	8.8	42
100	Nitrification inhibitor's effect on mitigating N ₂ O emissions was weakened by urease inhibitor in calcareous soils. <i>Atmospheric Environment</i> , 2017, 166, 142-150.	4.1	34
101	Impacts of natural factors and farming practices on greenhouse gas emissions in the North China Plain: A meta-analysis. <i>Ecology and Evolution</i> , 2017, 7, 6702-6715.	1.9	26
102	Nitrification inhibitors mitigate N ₂ O emissions more effectively under straw-induced conditions favoring denitrification. <i>Soil Biology and Biochemistry</i> , 2017, 104, 197-207.	8.8	98
103	Characterization of organic carbon in decomposing litter exposed to nitrogen and sulfur additions: Links to microbial community composition and activity. <i>Geoderma</i> , 2017, 286, 116-124.	5.1	34
104	Effect of past peat cultivation practices on present dynamics of dissolved organic carbon. <i>Science of the Total Environment</i> , 2017, 574, 1243-1253.	8.0	17
105	Coupled incorporation of maize (<i>Zea mays</i> L.) straw with nitrogen fertilizer increased soil organic carbon in Fluvic Cambisol. <i>Geoderma</i> , 2017, 304, 19-27.	5.1	72
106	Phosphorus Binding to Nanoparticles and Colloids in Forest Stream Waters. <i>Vadose Zone Journal</i> , 2017, 16, 1-12.	2.2	54
107	Effect of soil saturation on denitrification in a grassland soil. <i>Biogeosciences</i> , 2017, 14, 4691-4710.	3.3	26
108	Spatiotemporal Analysis of Dissolved Organic Carbon and Nitrate in Waters of a Forested Catchment Using Wavelet Analysis. <i>Vadose Zone Journal</i> , 2017, 16, 1-14.	2.2	20

#	ARTICLE	IF	CITATIONS
109	Colloid-bound and dissolved phosphorus species in topsoil water extracts along a grassland transect from Cambisol to Stagnosol. <i>Biogeosciences</i> , 2017, 14, 1153-1164.	3.3	33
110	A Dataset for Three-dimensional Distribution of 39 Elements Including Plant Nutrients and Other Metals and Metalloids in the Soils of a Forested Headwater Catchment. <i>Journal of Environmental Quality</i> , 2017, 46, 1510-1518.	2.0	6
111	Impact of anthropogenic induced nitrogen input and liming on phosphorus leaching in forest soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 443-453.	1.9	40
112	Dissolved and colloidal phosphorus fluxes in forest ecosystems – an almost blind spot in ecosystem research. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 425-438.	1.9	125
113	Long-term management changes topsoil and subsoil organic carbon and nitrogen dynamics in a temperate agricultural system. <i>European Journal of Soil Science</i> , 2016, 67, 421-430.	3.9	72
114	Not poles apart: Antarctic soil fungal communities show similarities to those of the distant Arctic. <i>Ecology Letters</i> , 2016, 19, 528-536.	6.4	109
115	N_2O source partitioning in soils using $\delta^{15}N$ site preference values corrected for the N_2O reduction effect. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 620-626.	1.5	22
116	Effect of beech (<i>Fagus sylvatica</i> L.) rhizosphere on phosphorous availability in soils at different altitudes (Central Italy). <i>Geoderma</i> , 2016, 276, 53-63.	5.1	42
117	The contribution of hydroxylamine content to spatial variability of N_2O formation in soil of a Norway spruce forest. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 178, 76-86.	3.9	17
118	Comparison of extraction efficiencies for water-transportable phenols from different land uses. <i>Organic Geochemistry</i> , 2016, 102, 45-51.	1.8	7
119	Stage-specific response of litter decomposition to N and S amendments in a subtropical forest soil. <i>Biology and Fertility of Soils</i> , 2016, 52, 711-724.	4.3	32
120	Phosphorus forms in forest soil colloids as revealed by liquid-state ^{31}P -NMR. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 159-167.	1.9	54
121	Contrasting temperature responses of dissolved organic carbon and phenols leached from soils. <i>Plant and Soil</i> , 2016, 399, 13-27.	3.7	16
122	Soil organic matter amendments in date palm groves of the Middle Eastern and North African region: a mini-review. <i>Journal of Arid Land</i> , 2016, 8, 77-92.	2.3	22
123	Phosphorus Containing Water Dispersible Nanoparticles in Arable Soil. <i>Journal of Environmental Quality</i> , 2015, 44, 1772-1781.	2.0	61
124	Isotope fractionation factors controlling isotopocule signatures of soil-emitted N_2O produced by denitrification processes of various rates. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 269-282.	1.5	43
125	Spatio-temporal Variations of Dissolved Organic Matter in a German Forested Mountainous Headwater Catchment. <i>Vadose Zone Journal</i> , 2015, 14, 1-12.	2.2	12
126	Speciation and distribution of P associated with Fe and Al oxides in aggregate-sized fraction of an arable soil. <i>Biogeosciences</i> , 2015, 12, 6443-6452.	3.3	68

#	ARTICLE	IF	CITATIONS
127	Potential use of rare earth oxides as tracers of organic matter in grassland. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 288-296.	1.9	9
128	Innovative methods in soil phosphorus research: A review. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 43-88.	1.9	256
129	Anaerobic digestates lower N ₂ O emissions compared to cattle slurry by affecting rate and product stoichiometry of denitrification – An N ₂ O isotopomer case study. <i>Soil Biology and Biochemistry</i> , 2015, 84, 65-74.	8.8	57
130	Land use and soil factors affecting accumulation of phosphorus species in temperate soils. <i>Geoderma</i> , 2015, 257-258, 29-39.	5.1	133
131	A terrestrial observatory approach to the integrated investigation of the effects of deforestation on water, energy, and matter fluxes. <i>Science China Earth Sciences</i> , 2015, 58, 61-75.	5.2	50
132	Distribution of Phosphorus-Containing Fine Colloids and Nanoparticles in Stream Water of a Forest Catchment. <i>Vadose Zone Journal</i> , 2014, 13, 1-11.	2.2	59
133	Carbon loss by water erosion in drylands: implications from a study of vegetation change in the south-west USA. <i>Hydrological Processes</i> , 2014, 28, 2212-2222.	2.6	23
134	Bacteria and Fungi Respond Differently to Multifactorial Climate Change in a Temperate Heathland, Traced with ¹³ C-Glycine and FACE CO ₂ . <i>PLoS ONE</i> , 2014, 9, e85070.	2.5	42
135	Carbon and nitrogen in soil and vine roots in harrowed and grass-covered vineyards. <i>Agriculture, Ecosystems and Environment</i> , 2014, 193, 70-82.	5.3	52
136	Nutrient dynamics during decomposition of the residues from a sown legume or ruderal plant cover in an olive oil orchard. <i>Agriculture, Ecosystems and Environment</i> , 2014, 184, 115-123.	5.3	40
137	Quantifying the spatial variability of soil physical and chemical properties in relation to mitigation of diffuse water pollution. <i>Geoderma</i> , 2014, 214-215, 25-41.	5.1	37
138	Flooding effects on soil phenol oxidase activity and phenol release during rice straw decomposition. <i>Journal of Plant Nutrition and Soil Science</i> , 2014, 177, 541-547.	1.9	18
139	Sorption of inositol hexaphosphate on desert soils. <i>Geoderma</i> , 2014, 232-234, 573-580.	5.1	23
140	Woody plant encroachment into grasslands leads to accelerated erosion of previously stable organic carbon from dryland soils. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 2345-2357.	3.0	31
141	Variations in concentrations of N and P forms in leachates from dried soils rewetted at different rates. <i>Biology and Fertility of Soils</i> , 2013, 49, 79-87.	4.3	39
142	Novel laser spectroscopic technique for continuous analysis of N ₂ O isotopomers – application and intercomparison with isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 216-222.	1.5	50
143	Effect of slurry and ammonium nitrate application on greenhouse gas fluxes of a grassland soil under atypical South West England weather conditions. <i>Agriculture, Ecosystems and Environment</i> , 2013, 181, 1-11.	5.3	24
144	Export of dissolved organic carbon and nitrate from grassland in winter using high temporal resolution, in situ UV sensing. <i>Science of the Total Environment</i> , 2013, 456-457, 384-391.	8.0	11

#	ARTICLE	IF	CITATIONS
145	Agrochemical characterization, net N mineralization, and potential N leaching of composted olive mill pomace currently produced in southern Spain. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 655-664.	1.9	11
146	Changes in ecosystem structure, function and hydrological connectivity control water, soil and carbon losses in semi-arid grass to woody vegetation transitions. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1602-1611.	2.5	27
147	Understanding spatial variability of soil properties: a key step in establishing field-to farm scale agroecosystem experiments. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2413-2421.	1.5	43
148	Dissolved phosphorus composition of grassland leachates following application of dairy slurry size fractions. <i>Journal of Plant Nutrition and Soil Science</i> , 2012, 175, 78-85.	1.9	10
149	Advances in the understanding of nutrient dynamics and management in UK agriculture. <i>Science of the Total Environment</i> , 2012, 434, 39-50.	8.0	101
150	Soil mineral N retention and N_2O emissions following combined application of ^{15}N -labelled fertiliser and weed residues. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2379-2385.	1.5	16
151	Stable carbon isotope analysis of fluvial sediment fluxes over two contrasting C_4 - C_3 semi-arid vegetation transitions. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2386-2392.	1.5	15
152	Greenhouse gas (GHG) emissions from soils amended with digestate derived from anaerobic treatment of food waste. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2422-2430.	1.5	43
153	Recovering Phosphorus from Soil: A Root Solution?. <i>Environmental Science & Technology</i> , 2012, 46, 1977-1978.	10.0	116
154	Extensive Management Promotes Plant and Microbial Nitrogen Retention in Temperate Grassland. <i>PLoS ONE</i> , 2012, 7, e51201.	2.5	105
155	Nitric oxide and greenhouse gases emissions following the application of different cattle slurry particle size fractions to soil. <i>Atmospheric Environment</i> , 2012, 47, 373-380.	4.1	7
156	A novel application of natural fluorescence to understand the sources and transport pathways of pollutants from livestock farming in small headwater catchments. <i>Science of the Total Environment</i> , 2012, 417-418, 169-182.	8.0	32
157	A Review of Quantitative Tools for Assessing the Diffuse Pollution Response to Farmer Adaptations and Mitigation Methods Under Climate Change. <i>Advances in Agronomy</i> , 2011, , 1-54.	5.2	16
158	Effect of antecedent soil moisture conditions on emissions and isotopologue distribution of N_2O during denitrification. <i>Soil Biology and Biochemistry</i> , 2011, 43, 240-250.	8.8	78
159	Natural abundance radiocarbon in soil microbial biomass: Results from a glacial foreland. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1356-1361.	8.8	6
160	Rapid shift from denitrification to nitrification in soil after biogas residue application as indicated by nitrous oxide isotopomers. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1671-1677.	8.8	62
161	Using artificial fluorescent particles as tracers of livestock wastes within an agricultural catchment. <i>Science of the Total Environment</i> , 2011, 409, 1095-1103.	8.0	6
162	Carbon mineralization and distribution of nutrients within different particle-size fractions of commercially produced olive mill pomace. <i>Bioresource Technology</i> , 2011, 102, 9997-10005.	9.6	10

#	ARTICLE	IF	CITATIONS
163	Gross and net rates of nitrogen mineralisation in soil amended with composted olive mill pomace. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1472-1478.	1.5	12
164	Long-term release of carbon from grassland soil amended with different slurry particle size fractions: a laboratory incubation study. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1514-1520.	1.5	9
165	BMSS ISO-SIG (27-28 April), SIMSUG 2010 (28-30 April) and SIBAE (28-29 April 2010), University of Exeter, UK. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1459-1460.	1.5	1
166	Towards a Holistic Classification of Diffuse Agricultural Water Pollution from Intensively Managed Grasslands on Heavy Soils. <i>Advances in Agronomy</i> , 2010, 105, 83-115.	5.2	39
167	Biotic and Abiotic Changes in Ecosystem Structure over a Shrub-Encroachment Gradient in the Southwestern USA. <i>Ecosystems</i> , 2010, 13, 1239-1255.	3.4	59
168	High Temporal Resolution Monitoring of Multiple Pollutant Responses in Drainage from an Intensively Managed Grassland Catchment Caused by a Summer Storm. <i>Water, Air, and Soil Pollution</i> , 2010, 205, 377-393.	2.4	25
169	Nitrous oxide production and denitrification rates in estuarine intertidal saltmarsh and managed realignment zones. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 87, 591-600.	2.1	34
170	Short term N ₂ O, CH ₄ and CO ₂ production from soil sampled at different depths and amended with a fine sized slurry fraction. <i>Chemosphere</i> , 2010, 81, 100-108.	8.2	17
171	Applications of stable isotope ratio mass spectrometry in cattle dung carbon cycling studies. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 495-500.	1.5	31
172	Measurement at the field scale of soil ¹³ C and ¹⁵ N under improved grassland. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 511-518.	1.5	17
173	Organic matter dynamics in a compost-amended anthropogenic landfill capping-soil. <i>European Journal of Soil Science</i> , 2010, 61, 35-47.	3.9	21
174	Dual isotope and isotopomer measurements for the understanding of N ₂ O production and consumption during denitrification in an arable soil. <i>European Journal of Soil Science</i> , 2010, 61, 364-374.	3.9	49
175	Carbon isotopic composition of branched tetraether membrane lipids in soils suggest a rapid turnover and a heterotrophic life style of their source organism(s). <i>Biogeosciences</i> , 2010, 7, 2959-2973.	3.3	145
176	Carbon-mineralization kinetics in an organically managed Cambic Arenosol amended with organic fertilizers. <i>Journal of Plant Nutrition and Soil Science</i> , 2010, 173, 39-45.	1.9	50
177	Phosphorus Solubilization and Potential Transfer to Surface Waters from the Soil Microbial Biomass Following Drying-Rewetting and Freezing-Thawing. <i>Advances in Agronomy</i> , 2010, 106, 1-35.	5.2	115
178	A Review of Biochar and Its Use and Function in Soil. <i>Advances in Agronomy</i> , 2010, 105, 47-82.	5.2	1,490
179	Tracing the rate and extent of N and C flow from ¹³ C, ¹⁵ N-glycine and glutamate into individual de novo synthesised soil amino acids. <i>Organic Geochemistry</i> , 2010, 41, 1259-1268.	1.8	54
180	Assessment of natural fluorescence as a tracer of diffuse agricultural pollution from slurry spreading on intensely-farmed grasslands. <i>Water Research</i> , 2010, 44, 1701-1712.	11.3	40

#	ARTICLE	IF	CITATIONS
181	In situ determination of dissolved organic carbon in freshwaters using a reagentless UV sensor. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1678.	2.1	15
182	Assessing multiple novel tracers to improve the understanding of the contribution of agricultural farm waste to diffuse water pollution. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1159.	2.1	11
183	Interactions Among Agricultural Production and Other Ecosystem Services Delivered from European Temperate Grassland Systems. <i>Advances in Agronomy</i> , 2010, 109, 117-154.	5.2	62
184	Effects of active silicon uptake by rice on ²⁹ Si fractionation in various plant parts. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2398-2402.	1.5	11
185	Molecular turnover time of soil organic matter in particle size fractions of an arable soil. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2551-2558.	1.5	99
186	Tracking the fate of dung-derived carbohydrates in a temperate grassland soil using compound-specific stable isotope analysis. <i>Organic Geochemistry</i> , 2009, 40, 1210-1218.	1.8	38
187	Effect of tillage system and straw management on organic matter dynamics. <i>Agronomy for Sustainable Development</i> , 2009, 29, 525-533.	5.3	58
188	Large old trees influence patterns of ¹³ C and ¹⁵ N in forests. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1627-1630.	1.5	12
189	Offline pyrolysis and compound-specific stable carbon isotope analysis of lignin moieties: a new method for determining the fate of lignin residues in soil. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1631-1639.	1.5	36
190	Enhancing the understanding of earthworm feeding behaviour via the use of fatty acid ¹³ C values determined by gas chromatography-combustion-isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1643-1652.	1.5	25
191	Using ¹⁵ N and ¹⁸ O to evaluate the sources and pathways of NO in rainfall event discharge from drained agricultural grassland lysimeters at high temporal resolutions. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1681-1689.	1.5	24
192	Use of carbon isotope analysis to understand semi-arid erosion dynamics and long-term semi-arid land degradation. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1697-1702.	1.5	29
193	Influence of recent vegetation on labile and recalcitrant carbon soil pools in central Queensland, Australia: evidence from thermal analysis-quadrupole mass spectrometry-isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1751-1758.	1.5	25
194	Long-term influence of manure and mineral nitrogen applications on plant and soil ¹⁵ N and ¹³ C values from the Broadbalk Wheat Experiment. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1735-1740.	1.5	56
195	Amino acid ¹⁵ N in long-term bare fallow soils: influence of annual N fertilizer and manure applications. <i>European Journal of Soil Science</i> , 2008, 59, 617-629.	3.9	31
196	Do plant species with different growth strategies vary in their ability to compete with soil microbes for chemical forms of nitrogen?. <i>Soil Biology and Biochemistry</i> , 2008, 40, 228-237.	8.8	119
197	Chapter 6 Combining Biomarker with Stable Isotope Analyses for Assessing the Transformation and Turnover of Soil Organic Matter. <i>Advances in Agronomy</i> , 2008, , 155-250.	5.2	300
198	PREFERENCES FOR DIFFERENT NITROGEN FORMS BY COEXISTING PLANT SPECIES AND SOIL MICROBES: REPLY. <i>Ecology</i> , 2008, 89, 879-880.	3.2	4

#	ARTICLE	IF	CITATIONS
199	Assessment of the potential N mineralization of different particle size fractions in two dairy cattle slurries. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 313-315.	1.9	26
200	Earthworm responses to long term agricultural management practices: Spatial relationships with soil properties. <i>European Journal of Soil Biology</i> , 2007, 43, S171-S175.	3.2	16
201	Heterotrophic microbial communities use ancient carbon following glacial retreat. <i>Biology Letters</i> , 2007, 3, 487-490.	2.3	201
202	Processes affecting transfer of sediment and colloids, with associated phosphorus, from intensively farmed grasslands: tracing sediment and organic matter. <i>Hydrological Processes</i> , 2007, 21, 417-422.	2.6	35
203	Multiple stable isotope (¹⁸ O, ¹³ C, ¹⁵ N and ³⁴ S) analysis of human hair to identify the recent migrants in a rural community in SW England. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2951-2954.	1.5	56
204	Development of a stable isotope index to assess decadal-scale vegetation change and application to woodlands of the Burdekin catchment, Australia. <i>Global Change Biology</i> , 2007, 13, 1455-1468.	9.5	31
205	The effect of diet manipulation on nitrous oxide and methane emissions from manure application to incubated grassland soils. <i>Atmospheric Environment</i> , 2007, 41, 7096-7107.	4.1	57
206	Quantification of priming and CO ₂ emission sources following the application of different slurry particle size fractions to a grassland soil. <i>Soil Biology and Biochemistry</i> , 2007, 39, 2608-2620.	8.8	57
207	Nitrate leaching in soil: Tracing the NO ₃ ⁻ sources with the help of stable N and O isotopes. <i>Soil Biology and Biochemistry</i> , 2007, 39, 3024-3033.	8.8	55
208	Free amino sugar reactions in soil in relation to soil carbon and nitrogen cycling. <i>Soil Biology and Biochemistry</i> , 2007, 39, 3081-3092.	8.8	74
209	PREFERENCES FOR DIFFERENT NITROGEN FORMS BY COEXISTING PLANT SPECIES AND SOIL MICROBES. <i>Ecology</i> , 2007, 88, 989-999.	3.2	237
210	Nutrient Cycling Budgets in Managed Pastures. , 2007, , 215-255.		3
211	Phosphorus-31 nuclear magnetic resonance spectroscopy to trace organic dung phosphorus in a temperate grassland soil. <i>Journal of Plant Nutrition and Soil Science</i> , 2006, 169, 69-75.	1.9	15
212	Influence of microbial activity on plant microbial competition for organic and inorganic nitrogen. <i>Plant and Soil</i> , 2006, 289, 321-334.	3.7	89
213	Sources and mechanisms of priming effect induced in two grassland soils amended with slurry and sugar. <i>Soil Biology and Biochemistry</i> , 2006, 38, 747-758.	8.8	240
214	Processes affecting transfer of sediment and colloids, with associated phosphorus, from intensively farmed grasslands: an overview of key issues. <i>Hydrological Processes</i> , 2006, 20, 4407-4413.	2.6	73
215	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.	8.8	121
216	Savanna-derived organic matter remaining in arable soils of the South African Highveld long-term mixed cropping: Evidence from ¹³ C and ¹⁵ N natural abundance. <i>Soil Biology and Biochemistry</i> , 2005, 37, 1898-1909.	8.8	53

#	ARTICLE	IF	CITATIONS
217	Preferential uptake of soil nitrogen forms by grassland plant species. <i>Oecologia</i> , 2005, 142, 627-635.	2.0	222
218	^{14}C of grasses as an indicator of fossil fuel CO_2 pollution. <i>Environmental Chemistry Letters</i> , 2005, 3, 78-81.	16.2	14
219	Three sources of CO_2 efflux from soil partitioned by ^{13}C natural abundance in an incubation study. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1417-1423.	1.5	13
220	Short-term dynamics of slurry-derived plant and microbial sugars in a temperate grassland soil as assessed by compound-specific ^{13}C analyses. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1437-1446.	1.5	31
221	Nitrogen-15 in NO_3^- characterises differently reactive soil organic N pools. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3177-3181.	1.5	7
222	Application of simultaneous thermal analysis mass spectrometry and stable carbon isotope analysis in a carbon sequestration study. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3192-3198.	1.5	37
223	The natural abundance of ^{13}C , ^{15}N , ^{34}S and ^{14}C in archived (1923-2000) plant and soil samples from the Askov long-term experiments on animal manure and mineral fertilizer. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3216-3226.	1.5	122
224	Selected papers of the 1st Joint European Stable Isotope Users Group Meeting (JESIUM), August 30 to September 3, 2004, Vienna, Austria. <i>Isotopes in Environmental and Health Studies</i> , 2005, 41, 185-188.	1.0	0
225	Quantification of dung carbon incorporation in a temperate grassland soil following spring application using bulk stable carbon isotope determinations. <i>Isotopes in Environmental and Health Studies</i> , 2005, 41, 3-11.	1.0	35
226	Recent vegetation changes in central Queensland, Australia: Evidence from ^{13}C and ^{14}C analyses of soil organic matter. <i>Geoderma</i> , 2005, 126, 241-259.	5.1	84
227	Soil microbial respiration responses to repeated urea applications in three grasslands. <i>Soil Research</i> , 2005, 43, 905.	1.1	24
228	Dynamics of a Pasture Soil Microbial Community after Deposition of Cattle Urine Amended with ^{13}C Urea. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6363-6369.	3.1	49
229	Short-term N_2O , CO_2 , NH_3 fluxes, and N/C transfers in a Danish grass-clover pasture after simulated urine deposition in autumn. <i>Journal of Plant Nutrition and Soil Science</i> , 2004, 167, 568-576.	1.9	48
230	Short-term sequestration of slurry-derived carbon into particle size fractions of a temperate grassland soil. <i>Isotopes in Environmental and Health Studies</i> , 2004, 40, 81-87.	1.0	11
231	Clear-cutting of a Norway spruce stand: implications for controls on the dynamics of dissolved organic matter in the forest floor. <i>European Journal of Soil Science</i> , 2004, 55, 401-413.	3.9	71
232	Influence of flooding on ^{15}N , ^{18}O , ^{15}N and ^{215}N signatures of N_2O released from estuarine soils—a laboratory experiment using tidal flooding chambers. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1561-1568.	1.5	27
233	Role of aggregate surface and core fraction in the sequestration of carbon from dung in a temperate grassland soil. <i>European Journal of Soil Science</i> , 2004, 55, 71-77.	3.9	29
234	Long term changes in the distribution and ^{15}N values of individual soil amino acids in the absence of plant and fertiliser inputs. <i>Isotopes in Environmental and Health Studies</i> , 2004, 40, 243-256.	1.0	21

#	ARTICLE	IF	CITATIONS
235	Using natural ^{13}C abundances to differentiate between three CO_2 sources during incubation of a grassland soil amended with slurry and sugar. <i>Journal of Plant Nutrition and Soil Science</i> , 2004, 167, 669-677.	1.9	26
236	Short-term effects of dairy slurry amendment on carbon sequestration and enzyme activities in a temperate grassland. <i>Soil Biology and Biochemistry</i> , 2003, 35, 1411-1421.	8.8	83
237	Quantification of priming and CO_2 respiration sources following slurry-C incorporation into two grassland soils with different C content. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2585-2590.	1.5	81
238	Dual isotope and isotopomer ratios of N_2O emitted from a temperate grassland soil after fertiliser application. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2550-2556.	1.5	73
239	SOIL MICROBES COMPETE EFFECTIVELY WITH PLANTS FOR ORGANIC-NITROGEN INPUTS TO TEMPERATE GRASSLANDS. <i>Ecology</i> , 2003, 84, 1277-1287.	3.2	313
240	Natural abundance of ^{13}C and ^{15}N in earthworms from different cropping treatments. <i>Pedobiologia</i> , 2003, 47, 560-567.	1.2	7
241	Inter-specific variability in organic nitrogen uptake of three temperate grassland species. <i>Journal of Plant Nutrition and Soil Science</i> , 2003, 166, 606-611.	1.9	55
242	Recalcitrant soil organic materials mineralize more efficiently at higher temperatures. <i>Journal of Plant Nutrition and Soil Science</i> , 2003, 166, 300-307.	1.9	77
243	Natural abundance of ^{13}C and ^{15}N in earthworms from different cropping treatments The 7th international symposium on earthworm ecology - Cardiff - Wales - 2002. <i>Pedobiologia</i> , 2003, 47, 560-567.	1.2	20
244	Fate of dung-applied copper in a British grassland soil. <i>Geoderma</i> , 2002, 106, 273-288.	5.1	9
245	Molecular dynamics of organic matter in a cultivated soil. <i>Organic Geochemistry</i> , 2002, 33, 357-366.	1.8	299
246	Compound specific plant amino acid $\delta^{15}\text{N}$ values differ with functional plant strategies in temperate grassland. <i>Journal of Plant Nutrition and Soil Science</i> , 2002, 165, 661-667.	1.9	43
247	Stable isotope (^{13}C , ^{15}N and ^{34}S) analysis of the hair of modern humans and their domestic animals. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 2195-2200.	1.5	124
248	Spatio-temporal variation of stable isotope ratios in earthworms under grassland and maize cropping systems. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1673-1682.	8.8	30
249	Short-term sequestration of slurry-derived carbon and nitrogen in temperate grassland soil as assessed by ^{13}C and ^{15}N natural abundance measurements. <i>Journal of Plant Nutrition and Soil Science</i> , 2001, 164, 467.	1.9	39
250	Use of a novel nitrification inhibitor to reduce nitrous oxide emission from ^{15}N -labelled dairy slurry injected into soil. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1291-1296.	1.5	65
251	Diurnal fluxes and the isotopomer ratios of N_2O in a temperate grassland following urine amendment. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1263-1269.	1.5	73
252	Amino acids as a nitrogen source in temperate upland grasslands: the use of dual labelled (^{13}C , ^{15}N) glycine to test for direct uptake by dominant grasses. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1351-1355.	1.5	90

#	ARTICLE	IF	CITATIONS
253	Effects of dung and urine amendments on the isotopic content of N ₂ O released from grasslands. Rapid Communications in Mass Spectrometry, 2000, 14, 1356-1360.	1.5	46
254	Incorporation of ¹⁵ N from spiked cattle dung pats into soil under two moorland plant communities. Rapid Communications in Mass Spectrometry, 2000, 14, 1361-1367.	1.5	9
255	The role of ¹⁴ C dating in ironpan formation. Holocene, 2000, 10, 281-285.	1.7	2
256	Tracing dung-derived carbon in temperate grassland using ¹³ C natural abundance measurements. Soil Biology and Biochemistry, 2000, 32, 1337-1343.	8.8	84
257	Radiocarbon Dating of Aliphatic Hydrocarbons A New Approach for Dating Passive Fraction Carbon in Soil Horizons. Soil Science Society of America Journal, 1999, 63, 1181-1187.	2.2	58
258	ESTIMATING NET PRIMARY PRODUCTION FROM MEASUREMENTS MADE ON SOIL ORGANIC MATTER. Ecology, 1999, 80, 2762-2773.	3.2	58
259	The influence of soil processes on carbon isotope distribution and turnover in the British uplands. European Journal of Soil Science, 1999, 50, 41-51.	3.9	88
260	Title is missing!. Plant and Soil, 1999, 216, 35-45.	3.7	27
261	Molecular insight into soil carbon turnover. , 1999, 13, 1278-1283.		128
262	Natural ¹³ C abundance: a tool to trace the incorporation of dung-derived carbon into soil particle-size fractions. , 1999, 13, 1291-1294.		46
263	A dynamic study of earthworm feeding ecology Using stable isotopes. , 1999, 13, 1300-1304.		19
264	Interpreting early land management through compound specific stable isotope analyses of archaeological soils. , 1999, 13, 1315-1319.		35
265	Short-term changes in ¹³ C and ¹⁵ N signatures of water discharged from grazed grasslands. , 1999, 13, 1803-1807.		5
266	The Influence of Dung Amendments on Dissolved Organic Matter in Grassland Soil Leachates - Preliminary Results from a Lysimeter Study. Isotopes in Environmental and Health Studies, 1999, 35, 97-109.	1.0	29
267	Estimating the contribution of <i>Spartina anglica</i> biomass to salt-marsh sediments using compound specific stable carbon isotope measurements. Organic Geochemistry, 1999, 30, 477-483.	1.8	22
268	Climatic influences on the leaching of dissolved organic matter from upland UK moorland soils, investigated by a field manipulation experiment. Environment International, 1999, 25, 83-95.	10.0	210
269	Compound specific ¹⁵ N values: amino acids in grassland and arable soils. Soil Biology and Biochemistry, 1999, 31, 1751-1755.	8.8	42
270	Dissolved organic matter and its parent organic matter in grass upland soil horizons studied by analytical pyrolysis techniques. European Journal of Soil Science, 1998, 49, 1-15.	3.9	104

#	ARTICLE	IF	CITATIONS
271	$\delta^{13}\text{C}$ values of soil organic carbon and their use in documenting vegetation change in a subtropical savanna ecosystem. <i>Geoderma</i> , 1998, 82, 5-41.	5.1	445
272	Amino Acid $^{15}\text{N}/^{14}\text{N}$ Analysis at Natural Abundances: A New Tool for Soil Organic Matter Studies in Agricultural Systems. <i>Isotopes in Environmental and Health Studies</i> , 1998, 34, 87-93.	1.0	14
273	Effects of Long-Term Fertilizer and Manure Treatments on the Distribution and ^{15}N Natural Abundance of Amino Acids in the Palace Leas Meadow Hay Plots: A Preliminary Study. <i>ACS Symposium Series</i> , 1998, , 309-320.	0.5	5
274	Absence of carbon isotope fractionation of individual n-alkanes in a 23-year field decomposition experiment with <i>Calluna vulgaris</i> . <i>Organic Geochemistry</i> , 1997, 26, 497-501.	1.8	86
275	Compound-specific ^{15}N amino acid signals in palaeosols as indicators of early land use: a preliminary study. <i>Archaeological Prospection</i> , 1997, 4, 147-152.	2.2	18
276	Post-glacial variations in distributions, ^{13}C and ^{14}C contents of aliphatic hydrocarbons and bulk organic matter in three types of British acid upland soils. <i>Organic Geochemistry</i> , 1996, 24, 273-287.	1.8	124
277	The ^{14}C age and residence time of organic matter and its lipid constituents in a stagnohumic gley soil. <i>European Journal of Soil Science</i> , 1996, 47, 215-222.	3.9	68
278	The Use of Zeolite Molecular Sieves for Trapping Low Concentrations of CO_2 from Environmental Atmospheres. <i>Radiocarbon</i> , 1995, 37, 643-647.	1.8	24
279	Quantification of soil carbon inputs under elevated CO_2 : C_3 plants in a C_4 soil. <i>Plant and Soil</i> , 1995, 187, 345-350.	3.7	106
280	The Compost of Olive Mill Pomace: From a Waste to a Resource - Environmental Benefits of Its Application in Olive Oil Groves. , 0, , .		8