Robert Rees

List of Publications by Year
in descending order

171 papers	8,337 citations	61687 45 h-index	66518 82 g-index
180 all docs	180 docs citations	180 times ranked	9329 citing authors

#	Article	IF	Citations
1	Soil oxygen depletion and corresponding nitrous oxide production at hot moments in an agricultural soil. Environmental Pollution, 2022, 292, 118345.	3.7	13
2	Rethinking nitrogen use: need to plan beyond present. , 2022, , 1-11.		2
3	Sugar beet pulp: Resurgence and trailblazing journey towards a circular bioeconomy. Fuel, 2022, 312, 122953.	3.4	24
4	Predicting field N2O emissions from crop residues based on their biochemical composition: A meta-analytical approach. Science of the Total Environment, 2022, 812, 152532.	3.9	30
5	Effects of pharmaceuticals on the nitrogen cycle in water and soil: a review. Environmental Monitoring and Assessment, 2022, 194, 105.	1.3	25
6	A review and meta-analysis of mitigation measures for nitrous oxide emissions from crop residues. Science of the Total Environment, 2022, 828, 154388.	3.9	29
7	Farm-scale practical strategies to increase nitrogen use efficiency and reduce nitrogen footprint in crop production across the North China Plain. Field Crops Research, 2022, 283, 108526.	2.3	16
8	Using nitrification inhibitors and deep placement to tackle the tradeâ€offs between NH₃ and N₂O emissions in global croplands. Global Change Biology, 2022, 28, 4409-4422.	4.2	26
9	Carbon substrates exert a stronger role than mineral nitrogen application in structuring soil diazotroph communities during Chinese milk vetch growth. Applied Soil Ecology, 2021, 158, 103778.	2.1	9
10	Using milk vetch (Astragalus sinicus L.) to promote rice straw decomposition by regulating enzyme activity and bacterial community. Bioresource Technology, 2021, 319, 124215.	4.8	25
11	Combining Process Modelling and LAI Observations to Diagnose Winter Wheat Nitrogen Status and Forecast Yield. Agronomy, 2021, 11, 314.	1.3	10
12	Reducing N2O emissions with enhanced efficiency nitrogen fertilizers (EENFs) in a high-yielding spring maize system. Environmental Pollution, 2021, 273, 116422.	3.7	25
13	The Effect of Antecedence on Empirical Model Forecasts of Crop Yield from Observations of Canopy Properties. Agriculture (Switzerland), 2021, 11, 258.	1.4	4
14	Editorial: Increasing the Ambition of Climate Change Mitigation in Agriculture Whilst Meeting the Sustainable Development Goals (SDGs) and Food Policy Aims. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	2
15	Legume-Modified Rotations Deliver Nutrition With Lower Environmental Impact. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	14
16	Effect of Nutritional Variation and LCA Methodology on the Carbon Footprint of Milk Production From Holstein Friesian Dairy Cows. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	8
17	A Multifunctional Solution for Wicked Problems: Value-Chain Wide Facilitation of Legumes Cultivated at Bioregional Scales Is Necessary to Address the Climate-Biodiversity-Nutrition Nexus. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	17
18	Cropping system design can improve nitrogen use efficiency in intensively managed agriculture. Environmental Pollution, 2021, 280, 116967.	3.7	19

#	Article	IF	Citations
19	Fate of 15N-labelled urea when applied to long-term fertilized soils of varying fertility. Nutrient Cycling in Agroecosystems, 2021, 121, 151-165.	1.1	9
20	Bacterial communities in paddy soils changed by milk vetch as green manure: A study conducted across six provinces in South China. Pedosphere, 2021, 31, 521-530.	2.1	30
21	Estimating maximum fine-fraction organic carbon in UK grasslands. Biogeosciences, 2021, 18, 605-620.	1.3	4
22	Characterising the biophysical, economic and social impacts of soil carbon sequestration as a greenhouse gas removal technology. Global Change Biology, 2020, 26, 1085-1108.	4.2	65
23	Isolating the effect of soil properties on agricultural soil greenhouse gas emissions under controlled conditions. Soil Use and Management, 2020, 36, 285-298.	2.6	6
24	Multimodel Evaluation of Nitrous Oxide Emissions From an Intensively Managed Grassland. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005261.	1.3	13
25	Nitrogen fertiliser interactions with urine deposit affect nitrous oxide emissions from grazed grasslands. Agriculture, Ecosystems and Environment, 2020, 290, 106784.	2.5	19
26	Coâ€incorporation of Chinese milk vetch (<scp>Astragalus sinicus</scp> L.) and rice (<scp>Oryza sativa</scp> L.) straw minimizes CH₄ emissions by changing the methanogenic and methanotrophic communities in a paddy soil. European Journal of Soil Science, 2020, 71, 924-939.	1.8	12
27	Evaluating the Potential of Legumes to Mitigate N₂O Emissions From Permanent Grassland Using Processâ€Based Models. Global Biogeochemical Cycles, 2020, 34, e2020GB006561.	1.9	15
28	Co-incorporation of rice straw and leguminous green manure can increase soil available nitrogen (N) and reduce carbon and N losses: An incubation study. Pedosphere, 2020, 30, 661-670.	2.1	51
29	A model-data fusion approach to analyse carbon dynamics in managed grasslands. Agricultural Systems, 2020, 184, 102907.	3.2	7
30	Global Research Alliance N₂O chamber methodology guidelines: Considerations for automated flux measurement. Journal of Environmental Quality, 2020, 49, 1126-1140.	1.0	26
31	Regional land use efficiency and nutritional quality of protein production. Global Food Security, 2020, 26, 100386.	4.0	2
32	Towards Country-Specific Nitrous Oxide Emission Factors for Manures Applied to Arable and Grassland Soils in the UK. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	24
33	Vertisols and Cambisols had contrasting short term greenhouse gas responses to crop residue management. Plant, Soil and Environment, 2020, 66, 222-233.	1.0	5
34	Management of rice straw with relay cropping of Chinese milk vetch improved double-rice cropping system production in southern China. Journal of Integrative Agriculture, 2020, 19, 2103-2115.	1.7	4
35	Green manuring inhibits nitrification in a typical paddy soil by changing the contributions of ammonia-oxidizing archaea and bacteria. Applied Soil Ecology, 2020, 156, 103698.	2.1	29
36	Quantifying Uncertainty and Bridging the Scaling Gap in the Retrieval of Leaf Area Index by Coupling Sentinel-2 and UAV Observations. Remote Sensing, 2020, 12, 1843.	1.8	27

#	Article	IF	Citations
37	Global Research Alliance N₂O chamber methodology guidelines: Flux calculations. Journal of Environmental Quality, 2020, 49, 1141-1155.	1.0	46
38	Response to Comment on â€œOxygen Regulates Nitrous Oxide Production Directly in Agricultural Soilsâ€• Environmental Science & Technology, 2020, 54, 2556-2557.	4.6	2
39	Mitigating nitrous oxide emissions from agricultural soils by precision management. Frontiers of Agricultural Science and Engineering, 2020, 7, 75.	0.9	9
40	Data for life cycle assessment of legume biorefining for alcohol. Data in Brief, 2019, 25, 104242.	0.5	4
41	Oxygen Regulates Nitrous Oxide Production Directly in Agricultural Soils. Environmental Science & Technology, 2019, 53, 12539-12547.	4.6	77
42	The Value of Sentinel-2 Spectral Bands for the Assessment of Winter Wheat Growth and Development. Remote Sensing, 2019, 11, 2050.	1.8	29
43	Crop straw incorporation interacts with N fertilizer on N2O emissions in an intensively cropped farmland. Geoderma, 2019, 341, 129-137.	2.3	48
44	Understanding uncertainty in the carbon footprint of beef production. Journal of Cleaner Production, 2019, 234, 423-435.	4.6	17
45	Just the tonic! Legume biorefining for alcohol has the potential to reduce Europe's protein deficit and mitigate climate change. Environment International, 2019, 130, 104870.	4.8	24
46	Weakened growth of croplandâ€N₂O emissions in China associated with nationwide policy interventions. Global Change Biology, 2019, 25, 3706-3719.	4.2	46
47	Effects of the nitrification inhibitor DMPP (3,4-dimethylpyrazole phosphate) on gross N transformation rates and N2O emissions. Biology and Fertility of Soils, 2019, 55, 603-615.	2.3	38
48	Lysine Supply Is a Critical Factor in Achieving Sustainable Global Protein Economy. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	55
49	Estimating the soil N₂O emission intensity of croplands in northwest Europe. Biogeosciences, 2019, 16, 1641-1655.	1.3	11
50	A critical review of the impacts of cover crops on nitrogen leaching, net greenhouse gas balance and crop productivity. Global Change Biology, 2019, 25, 2530-2543.	4.2	343
51	Modelling biological N fixation and grass-legume dynamics with process-based biogeochemical models of varying complexity. European Journal of Agronomy, 2019, 106, 58-66.	1.9	12
52	Gross N transformation rates and related N2O emissions in Chinese and UK agricultural soils. Science of the Total Environment, 2019, 666, 176-186.	3.9	50
53	Nitrogen use efficiency and nitrous oxide emissions from five UK fertilised grasslands. Science of the Total Environment, 2019, 661, 696-710.	3.9	76
54	Diazotroph abundance and community structure are reshaped by straw return and mineral fertilizer in rice-rice-green manure rotation. Applied Soil Ecology, 2019, 136, 11-20.	2.1	53

#	Article	IF	Citations
55	Non-additive responses of soil C and N to rice straw and hairy vetch (Vicia villosa Roth L.) mixtures in a paddy soil. Plant and Soil, 2019, 436, 229-244.	1.8	29
56	The use of farm-level models to assess the environmental impact of livestock production. Burleigh Dodds Series in Agricultural Science, 2019, , 85-120.	0.1	0
57	Improving model prediction of soil N2O emissions through BayesianÂcalibration. Science of the Total Environment, 2018, 624, 1467-1477.	3.9	12
58	Sustainable Intensification of Agriculture: Impacts on Sustainable Soil Management. International Yearbook of Soil Law and Policy, 2018, , 7-16.	0.2	1
59	A systematic approach to identifying key parameters and processes in agroecosystem models. Ecological Modelling, 2018, 368, 344-356.	1.2	5
60	The contribution of cattle urine and dung to nitrous oxide emissions: Quantification of country specific emission factors and implications for national inventories. Science of the Total Environment, 2018, 635, 607-617.	3.9	115
61	Critical review of the impacts of grazing intensity on soil organic carbon storage and other soil quality indicators in extensively managed grasslands. Agriculture, Ecosystems and Environment, 2018, 253, 62-81.	2.5	289
62	UAV-Based Approaches for Crop Parameter Retrievals. , 2018, , .		0
63	Nitrous Oxide Emissions Increase Exponentially When Optimum Nitrogen Fertilizer Rates Are Exceeded in the North China Plain. Environmental Science & Technology, 2018, 52, 12504-12513.	4.6	91
64	Frontiers in Climate Smart Food Systems: Outlining the Research Space. Frontiers in Sustainable Food Systems, 2018, 2, .	1.8	29
65	Chinese cropping systems are a net source of greenhouse gases despite soil carbon sequestration. Global Change Biology, 2018, 24, 5590-5606.	4.2	81
66	The use of biogeochemical models to evaluate mitigation of greenhouse gas emissions from managed grasslands. Science of the Total Environment, 2018, 642, 292-306.	3.9	41
67	Archaea are the predominant and responsive ammonia oxidizing prokaryotes in a red paddy soil receiving green manures. European Journal of Soil Biology, 2018, 88, 27-35.	1.4	23
68	Conservation Agriculture practices reduce the global warming potential of rainfed low N input semi-arid agriculture. European Journal of Agronomy, 2017, 84, 95-104.	1.9	37
69	The impact of ploughing intensively managed temperate grasslands on N2O, CH4 and CO2 fluxes. Plant and Soil, 2017, 411, 193-208.	1.8	31
70	Mitigating nitrous oxide and manure-derived methane emissions by removing cows in response to wet soil conditions. Agricultural Systems, 2017, 156, 126-138.	3.2	14
71	Pea cultivar and wheat residues affect carbon/nitrogen dynamics in pea-triticale intercropping: A microcosms approach. Science of the Total Environment, 2017, 592, 436-450.	3.9	12
72	Modelling spatial and inter-annual variations of nitrous oxide emissions from UK cropland and grasslands using DailyDayCent. Agriculture, Ecosystems and Environment, 2017, 250, 1-11.	2.5	14

#	Article	IF	Citations
73	An assessment of factors controlling N2O and CO2 emissions from crop residues using different measurement approaches. Biology and Fertility of Soils, 2017, 53, 547-561.	2.3	40
74	A comparison of farm-level greenhouse gas calculators in their application on beef production systems. Journal of Cleaner Production, 2017, 164, 398-409.	4.6	27
75	A time-series of methane and carbon dioxide production from dairy cows during a period of dietary transition. Cogent Environmental Science, 2017, 3, 1385693.	1.6	5
76	The nitrogen, carbon and greenhouse gas budget of a grazed, cut and fertilised temperate grassland. Biogeosciences, 2017, 14, 2069-2088.	1.3	48
77	Nitrogen and phosphorus losses from legume-supported cropping.. , 2017, , 37-54.		1
78	A Comparative Nitrogen Balance and Productivity Analysis of Legume and Non-legume Supported Cropping Systems: The Potential Role of Biological Nitrogen Fixation. Frontiers in Plant Science, 2016, 7, 1700.	1.7	60
79	Regional trends in Scottish advisory soil acidity and phosphorus results: significance of management history, land use and soil attributes. Soil Use and Management, 2016, 32, 44-53.	2.6	8
80	Quantifying N₂O emissions from intensive grassland production: the role of synthetic fertilizer type, application rate, timing and nitrification inhibitors. Journal of Agricultural Science, 2016, 154, 812-827.	0.6	39
81	Model evaluation in relation to soil N2O emissions: An algorithmic method which accounts for variability in measurements and possible time lags. Environmental Modelling and Software, 2016, 84, 251-262.	1.9	10
82	Sustainable intensification: the pathway to low carbon farming?. Regional Environmental Change, 2016, 16, 2253-2255.	1.4	4
83	Farm and product carbon footprints of Chinaâ€™s fruit productionâ€”life cycle inventory of representative orchards of five major fruits. Environmental Science and Pollution Research, 2016, 23, 4681-4691.	2.7	51
84	How do emission rates and emission factors for nitrous oxide and ammonia vary with manure type and time of application in a Scottish farmland?. Geoderma, 2016, 264, 81-93.	2.3	47
85	Open urethroplasty versus endoscopic urethrotomy - clarifying the management of men with recurrent urethral stricture (the OPEN trial): study protocol for a randomised controlled trial. Trials, 2015, 16, 600.	0.7	13
86	Effects of global change during the 21st century on the nitrogen cycle. Atmospheric Chemistry and Physics, 2015, 15, 13849-13893.	1.9	168
87	Size and Persistence of Nitrous Oxide Hot-Spots in Grazed and Ungrazed Grassland. Environment and Natural Resources Research, 2015, 5, 1.	0.1	11
88	Simulation of nitrous oxide emissions at field scale using the SPACSYS model. Science of the Total Environment, 2015, 530-531, 76-86.	3.9	52
89	Carbon footprint of grain crop production in China â€“ based on farm survey data. Journal of Cleaner Production, 2015, 104, 130-138.	4.6	189
90	A comparative study on carbon footprint of rice production between household and aggregated farms from Jiangxi, China. Environmental Monitoring and Assessment, 2015, 187, 332.	1.3	36

#	Article	IF	Citations
91	Effects of organic farming practices and salinity on yield and greenhouse gas emissions from a common bean crop. Scientia Horticulturae, 2015, 183, 48-57.	1.7	40
92	Catchment land use effects on fluxes and concentrations of organic and inorganic nitrogen in streams. Agriculture, Ecosystems and Environment, 2015, 199, 320-332.	2.5	13
93	Global Research Alliance Modelling Platform (GRAMP): An open web platform for modelling greenhouse gas emissions from agro-ecosystems. Computers and Electronics in Agriculture, 2015, 111, 112-120.	3.7	12
94	Nitrous oxide and methane emissions from a vetch cropping season are changed by long-term tillage practices in a Mediterranean agroecosystem. Biology and Fertility of Soils, 2015, 51, 77-88.	2.3	25
95	Nitrous oxide emissions from fertilised UK arable soils: Fluxes, emission factors and mitigation. Agriculture, Ecosystems and Environment, 2015, 212, 134-147.	2.5	70
96	The effects of catena positions on greenhouse gas emissions along a seasonal wetland (dambo) transect in tropical Zimbabwe. Archives of Agronomy and Soil Science, 2015, 61, 203-221.	1.3	5
97	Spatial and seasonal fluxes of the greenhouse gases N2O, CO2 and CH4 in a UK macrotidal estuary. Estuarine, Coastal and Shelf Science, 2015, 153, 62-73.	0.9	44
98	Managing fertiliser nitrogen to reduce nitrous oxide emissions and emission intensities from a cultivated Cambisol in Scotland. Geoderma Regional, 2015, 4, 55-65.	0.9	28
99	Nitrous oxide emissions from cattle excreta applied to a Scottish grassland: Effects of soil and climatic conditions and a nitrification inhibitor. Science of the Total Environment, 2015, 508, 343-353.	3.9	60
100	Stratification of climate projections for efficient estimation of uncertainty and variation using weather-driven models. Climate Research, 2015, 66, 1-12.	0.4	0
101	Nitrous oxide and methane emissions from cultivated seasonal wetland (dambo) soils with inorganic, organic and integrated nutrient management. Nutrient Cycling in Agroecosystems, 2014, 100, 161-175.	1.1	32
102	First 20 years of DNDC (DeNitrification DeComposition): Model evolution. Ecological Modelling, 2014, 292, 51-62.	1.2	195
103	Optimizing chamber methods for measuring nitrous oxide emissions from plotâ€based agricultural experiments. European Journal of Soil Science, 2014, 65, 295-307.	1.8	141
104	An improved method for measuring soil <scp>N₂O</scp> fluxes using a quantum cascade laser with a dynamic chamber. European Journal of Soil Science, 2014, 65, 643-652.	1.8	39
105	The challenge of modelling nitrogen management at the field scale: simulation and sensitivity analysis of N ₂ O fluxes across nine experimental sites using DailyDayCent. Environmental Research Letters, 2014, 9, 095003.	2.2	27
106	Seasonal nitrous oxide emissions from field soils under reduced tillage, compost application or organic farming. Agriculture, Ecosystems and Environment, 2014, 189, 171-180.	2.5	41
107	Potential of legumeâ€based grasslandâ€“livestock systems in Europe: a review. Grass and Forage Science, 2014, 69, 206-228.	1.2	433
108	Analysis of Differences in Productivity, Profitability and Soil Fertility Between Organic and Conventional Cropping Systems in the Tropics and Sub-tropics. Journal of Integrative Agriculture, 2014, 13, 2299-2310.	1.7	33

#	Article	IF	Citations
109	The true extent of agriculture's contribution to national greenhouse gas emissions. Environmental Science and Policy, 2014, 39, 1-12.	2.4	37
110	Issues and pressures facing the future of soil carbon stocks with particular emphasis on Scottish soils. Journal of Agricultural Science, 2014, 152, 699-715.	0.6	4
111	Development and Qualification of a High-Pressure, High-Temperature Chemical Injection Valve. , 2014, , .		2
112	Changes in soil organic carbon and its chemical fractions under different tillage practices on loess soils of the Guanzhong Plain in northâ€west China. Soil Use and Management, 2013, 29, 344-353.	2.6	27
113	Heterogeneity of atmospheric ammonia at the landscape scale and consequences for environmental impact assessment. Environmental Pollution, 2013, 179, 120-131.	3.7	33
114	Information Properties of Boundary Line Models for N2O Emissions from Agricultural Soils. Entropy, 2013, 15, 972-987.	1.1	10
115	Nitrous oxide mitigation in UK agriculture. Soil Science and Plant Nutrition, 2013, 59, 3-15.	0.8	49
116	Estimation of nitrogen budgets for contrasting catchments at the landscape scale. Biogeosciences, 2013, 10, 119-133.	1.3	9
117	Nitrous oxide emissions from European agriculture â€“ an analysis of variability and drivers of emissions from field experiments. Biogeosciences, 2013, 10, 2671-2682.	1.3	108
118	UK emissions of the greenhouse gas nitrous oxide. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1175-1185.	1.8	58
119	The effects of site preparation practices on carbon dioxide, methane and nitrous oxide fluxes from a peaty gley soil. Forestry, 2012, 85, 1-15.	1.2	22
120	The effect of co-composted cabbage and ground phosphate rock on the early growth and P uptake of oilseed rape and perennial ryegrass. Journal of Plant Nutrition and Soil Science, 2012, 175, 595-603.	1.1	8
121	Legumes intercropped with spring barley contribute to increased biomass production and carry-over effects. Journal of Agricultural Science, 2012, 150, 584-594.	0.6	33
122	Nitrogen leaching and indirect nitrous oxide emissions from fertilized croplands in Zimbabwe. Nutrient Cycling in Agroecosystems, 2012, 94, 85-96.	1.1	22
123	Marginal Abatement Cost Curves for UK Agricultural Greenhouse Gas Emissions. Journal of Agricultural Economics, 2011, 62, 93-118.	1.6	94
124	Nitrous oxide emissions and nitrate leaching in an arable rotation resulting from the presence of an intercrop. Agriculture, Ecosystems and Environment, 2011, 141, 153-161.	2.5	86
125	Developing carbon budgets for UK agriculture, land-use, land-use change and forestry out to 2022. Climatic Change, 2011, 105, 529-553.	1.7	37
126	Effects of organic and mineral fertilizer nitrogen on greenhouse gas emissions and plant-captured carbon under maize cropping in Zimbabwe. Plant and Soil, 2011, 343, 67-81.	1.8	64

#	Article	IF	Citations
127	Influence of ley duration on the yield and quality of the subsequent cereal crop (spring oats) in an organically managed long-term crop rotation experiment. Organic Agriculture, 2011, 1, 147-159.	1.2	13
128	Global Nitrous Oxide Emissions: Sources and Opportunities for Mitigation. ACS Symposium Series, 2011, , 257-273.	0.5	4
129	Nitrous oxide emissions from managed grassland: a comparison of eddy covariance and static chamber measurements. Atmospheric Measurement Techniques, 2011, 4, 2179-2194.	1.2	81
130	Soil compactionâ€“N interactions in barley: Root growth and tissue composition. Soil and Tillage Research, 2010, 106, 241-246.	2.6	44
131	Effects of site preparation for afforestation on methane fluxes at Harwood Forest, NE England. Biogeochemistry, 2010, 97, 89-107.	1.7	13
132	Soils and nitrous oxide research. Soil Use and Management, 2010, 26, 193-195.	2.6	9
133	Mitigation of Greenhouse Gas Emissions in Agriculture: A UK Perspective â€˜RÃ©duction des Ã©missions de gaz Ã effet de serre dans le secteur agricole : une perspective du Royaume-Uni â€˜AbschwÃchung von Treibhausgasemissionen in der Landwirtschaft: Ein Ausblick. EuroChoices, 2010, 9, 22-23.	0.6	3
134	A crossâ€ecosystem assessment of the effects of land cover and land use on soil emission of selected greenhouse gases and related soil properties in Zimbabwe. European Journal of Soil Science, 2010, 61, 721-733.	1.8	41
135	Role of the aquatic pathway in the carbon and greenhouse gas budgets of a peatland catchment. Global Change Biology, 2010, 16, 2750-2762.	4.2	212
136	Developing greenhouse gas marginal abatement cost curves for agricultural emissions from crops and soils in the UK. Agricultural Systems, 2010, 103, 198-209.	3.2	115
137	Improving Bioavailability of Phosphate Rock for Organic Farming. Sustainable Agriculture Reviews, 2010, , 99-117.	0.6	10
138	Spatial and temporal variability in CH4 and N2O fluxes from a Scottish ombrotrophic peatland: Implications for modelling and up-scaling. Soil Biology and Biochemistry, 2009, 41, 1315-1323.	4.2	79
139	Effect of water table on greenhouse gas emissions from peatland mesocosms. Plant and Soil, 2009, 318, 229-242.	1.8	128
140	Considerations for Scottish soil monitoring in the European context. European Journal of Soil Science, 2009, 60, 833-843.	1.8	10
141	Senescence and N release from clover roots following permanent excision of the shoot. Plant and Soil, 2008, 303, 229-240.	1.8	15
142	Savanna burning and the assessment of long-term fire experiments with particular reference to Zimbabwe. Progress in Physical Geography, 2008, 32, 611-634.	1.4	111
143	Are enchytraeid worms (Oligochaeta) sensitive indicators of ammonia-N impacts on an ombrotrophic bog?. European Journal of Soil Biology, 2008, 44, 101-108.	1.4	4
144	Carbon sequestration and biodiversity of re-growing miombo woodlands in Mozambique. Forest Ecology and Management, 2008, 254, 145-155.	1.4	182

#	Article	IF	Citations
145	Estimating resource use efficiencies in organic agriculture: a review of budgeting approaches used. Journal of the Science of Food and Agriculture, 2007, 87, 2782-2790.	1.7	23
146	Influence of organic and mineral N fertiliser on N2O fluxes from a temperate grassland. Agriculture, Ecosystems and Environment, 2007, 121, 74-83.	2.5	145
147	Full accounting of the greenhouse gas (CO2, N2O, CH4) budget of nine European grassland sites. Agriculture, Ecosystems and Environment, 2007, 121, 121-134.	2.5	409
148	Effects of climate and management intensity on nitrous oxide emissions in grassland systems across Europe. Agriculture, Ecosystems and Environment, 2007, 121, 135-152.	2.5	262
149	Carbon sequestration in a temperate grassland; management and climatic controls. Soil Use and Management, 2006, 22, 132-142.	2.6	85
150	Nitrous oxide fluxes from savanna (miombo) woodlands in Zimbabwe. Journal of Biogeography, 2006, 33, 424-437.	1.4	49
151	Supplementary prescribing: potential ways to reform hospital psychiatric care. Journal of Psychiatric and Mental Health Nursing, 2006, 13, 132-138.	1.2	18
152	Filtration increases the correlation between water extractable organic carbon and soil microbial activity. Soil Biology and Biochemistry, 2005, 37, 2240-2248.	4.2	38
153	The role of crop rotations in determining soil structure and crop growth conditions. Canadian Journal of Soil Science, 2005, 85, 557-577.	0.5	168
154	The role of plants and land management in sequestering soil carbon in temperate arable and grassland ecosystems. Geoderma, 2005, 128, 130-154.	2.3	187
155	Greenhouse gas emissions from a managed grassland. Global and Planetary Change, 2005, 47, 201-211.	1.6	144
156	Nitrous oxide release from soils receiving N-rich crop residues and paper mill sludge in eastern Scotland. Agriculture, Ecosystems and Environment, 2002, 90, 109-123.	2.5	33
157	The influence of plants grown under elevated CO2 and N fertilization on soil nitrogen dynamics. Global Change Biology, 2002, 8, 643-657.	4.2	50
158	Nitrogen recovery in soils amended with organic manures combined with inorganic fertilisers. Agronomy for Sustainable Development, 2002, 22, 739-746.	0.8	40
159	The fate of nitrogen from incorporated cover crop and green manure residues. Nutrient Cycling in Agroecosystems, 2000, 56, 153-163.	1.1	125
160	Short-term N availability in response to dissolved-organic-carbon from poultry manure, alone or in combination with cellulose. Biology and Fertility of Soils, 1999, 29, 386-393.	2.3	52
161	Influence of precipitation composition on the chemistry of streams draining from peat examined using Na:Ca:Mg ratio. Water Research, 1997, 31, 2253-2260.	5.3	12
162	The effect of fertilizer placement on nitrogen uptake and yield of wheat and maize in Chinese loess soils. Nutrient Cycling in Agroecosystems, 1996, 47, 81-91.	1.1	52

#	Article	IF	Citations
163	Relationships between afforestation, water chemistry and fish stocks in an upland catchment in south west Scotland. Water, Air, and Soil Pollution, 1995, 85, 303-308.	1.1	15
164	Release of Nitrogen from Plant and Animal Residues and Consequent Plant Uptake Efficiency. Biological Agriculture and Horticulture, 1995, 11, 229-245.	0.5	12
165	Relationships between biomass nitrogen and nitrogen extracted by other nitrogen availability methods. Soil Biology and Biochemistry, 1994, 26, 1213-1220.	4.2	37
166	The release and plant uptake of nitrogen from some plant and animal manures. Biology and Fertility of Soils, 1993, 15, 285-293.	2.3	31
167	Soil effects on water chemistry in three adjacent upland streams at Glendye in northeast Scotland. Water Research, 1989, 23, 511-517.	5.3	21
168	Identifying Urine Patches on Intensively Managed Grassland Using Aerial Imagery Captured From Remotely Piloted Aircraft Systems. Frontiers in Sustainable Food Systems, 0, 2, .	1.8	11
169	Assessment and maintenance of soil fertility in temperate organic agriculture.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , .	0.6	3
170	Nitrous oxide, climate change and agriculture.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-7.	0.6	28
171	Can nitrogen input mapping from aerial imagery improve nitrous oxide emissions estimates from grazed grassland?. Precision Agriculture, 0, , .	3.1	0