Keith W T Goulding

List of Publications by Citations

156 papers	13,306 citations	54 h-index	114 g-index
162 ext. papers	15,349 ext. citations	6.2 avg, IF	6.34 L-index

#	Paper	IF	Citations
156	Significant acidification in major Chinese croplands. *Science*, **2010**, 327, 1008-10	33.3	2098
155	Enhanced nitrogen deposition over China. *Nature*, **2013**, 494, 459-62	50.4	1512
154	Phosphorus Leaching from Soils Containing Different Phosphorus Concentrations in the Broadbalk Experiment. *Journal of Environmental Quality*, **1995**, 24, 904-910	3.4	576
153	Soil carbon sequestration to mitigate climate change: a critical re-examination to identify the true and the false. *European Journal of Soil Science*, **2011**, 62, 42-55	3.4	464
152	pH regulation of carbon and nitrogen dynamics in two agricultural soils. *Soil Biology and Biochemistry*, **2006**, 38, 898-911	7.5	419
151	Soil management in relation to sustainable agriculture and ecosystem services. *Food Policy*, **2011**, 36, S72-S87	5	296
150	Soil acidification and the importance of liming agricultural soils with particular reference to the United Kingdom. *Soil Use and Management*, **2016**, 32, 390-399	3.1	293
149	Nitrogen deposition and its contribution to nitrogen cycling and associated soil processes. *New Phytologist*, **1998**, 139, 49-58	9.8	252
148	Long-term agroecosystem experiments: assessing agricultural sustainability and global change. *Science*, **1998**, 282, 893-6	33.3	250
147	Quantifying atmospheric nitrogen deposition through a nationwide monitoring network across China. *Atmospheric Chemistry and Physics*, **2015**, 15, 12345-12360	6.8	234
146	Soluble organic nitrogen in agricultural soils. *Biology and Fertility of Soils*, **2000**, 30, 374-387	6.1	233
145	Stabilization of atmospheric nitrogen deposition in China over the past decade. *Nature Geoscience*, **2019**, 12, 424-429	18.3	232
144	Gross nitrogen fluxes in soil : theory, measurement and application of 15N pool dilution techniques. *Advances in Agronomy*, **2003**, 79, 69-118	7.7	225
143	Optimizing nutrient management for farm systems. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2008**, 363, 667-80	5.8	183
142	The potential to increase soil carbon stocks through reduced tillage or organic material additions in England and Wales: A case study. *Agriculture, Ecosystems and Environment*, **2012**, 146, 23-33	5.7	182
141	Soil Security: Solving the Global Soil Crisis. *Global Policy*, **2013**, 4, 434-441	1.8	173
140	Denitrification in riparian buffer zones: the role of floodplain hydrology. *Hydrological Processes*, **1999**, 13, 1451-1463	3.3	164

139	The contribution of soil organic matter fractions to carbon and nitrogen mineralization and microbial community size and structure. *Soil Biology and Biochemistry*, **2005**, 37, 1726-1737	7.5	162
138	Nitrogen inputs and isotopes in precipitation in the North China Plain. *Atmospheric Environment*, **2008**, 42, 1436-1448	5.3	153
137	Evidence for organic N deposition and its anthropogenic sources in China. *Atmospheric Environment* , **2008**, 42, 1035-1041	5.3	142
136	Development and application of a mechanistic model to estimate emission of nitrous oxide from UK agriculture. *Atmospheric Environment*, **2002**, 36, 917-928	5.3	141
135	Changes in soil chemistry accompanying acidification over more than 100 years under woodland and grass at Rothamsted Experimental Station, UK. *European Journal of Soil Science*, **1999**, 50, 401-412	3.4	140
134	Nitrate leaching from the Broadbalk Wheat Experiment, Rothamsted, UK, as influenced by fertilizer and manure inputs and the weather. *Soil Use and Management*, **2000**, 16, 244-250	3.1	134
133	An overview of fertilizer-P recommendations in Europe: soil testing, calibration and fertilizer recommendations. *Soil Use and Management*, **2012**, 28, 419-435	3.1	133
132	The potential for land sparing to offset greenhouse gas emissions from agriculture. *Nature Climate Change*, **2016**, 6, 488-492	21.4	132
131	Enhancing the carbon sink in European agricultural soils: including trace gas fluxes in estimates of carbon mitigation potential. *Nutrient Cycling in Agroecosystems*, **2001**, 60, 237-252	3.3	132
130	Effects of atmospheric deposition, soil pH and acidification on heavy metal contents in soils and vegetation of semi-natural ecosystems at Rothamsted Experimental Station, UK. *Plant and Soil*, **2002**, 240, 235-251	4.2	130
129	Soil acidification during more than 100 years under permanent grassland and woodland at Rothamsted. *Soil Use and Management*, **1986**, 2, 3-10	3.1	130
128	N2O, NO and NO2 fluxes from a grassland: Effect of soil pH. *Soil Biology and Biochemistry*, **1997**, 29, 1199-1208	7.5	122
127	High concentrations and dry deposition of reactive nitrogen species at two sites in the North China Plain. *Environmental Pollution*, **2009**, 157, 3106-13	9.3	105
126	Phosphorus content in soil, uptake by plants and balance in three European long-term field experiments. *Nutrient Cycling in Agroecosystems*, **2000**, 56, 263-275	3.3	105
125	Grassland biodiversity bounces back from long-term nitrogen addition. *Nature*, **2015**, 528, 401-4	50.4	98
124	Scale- and location-dependent correlation of nitrous oxide emissions with soil properties: an analysis using wavelets. *European Journal of Soil Science*, **2004**, 55, 611-627	3.4	93
123	Measuring the soil-microbial interface: Extraction of extracellular polymeric substances (EPS) from soil biofilms. *Soil Biology and Biochemistry*, **2014**, 72, 163-171	7.5	92
122	Studies on no and N0 fluxes from a wheat field. *Atmospheric Environment*, **1995**, 29, 1627-1635	5.3	91

121	Methane oxidation in temperate soils: Effects of land use and the chemical form of nitrogen fertilizer. *Chemosphere*, **1995**, 30, 539-546	8.4	90
120	A comparison of two colorimetric assays, based upon Lowry and Bradford techniques, to estimate total protein in soil extracts. *Soil Biology and Biochemistry*, **2013**, 67, 166-173	7.5	89
119	Advances in the understanding of nutrient dynamics and management in UK agriculture. *Science of the Total Environment*, **2012**, 434, 39-50	10.2	82
118	Changes in soil phosphorus fractions following positive and negative phosphorus balances for long periods. *Plant and Soil*, **2003**, 254, 245-261	4.2	79
117	Is it possible to increase the sustainability of arable and ruminant agriculture by reducing inputs?. *Agricultural Systems*, **2009**, 99, 117-125	6.1	74
116	Atmospheric ammonia and particulate ammonium from agricultural sources in the North China Plain. *Atmospheric Environment*, **2011**, 45, 5033-5041	5.3	72
115	Potassium content in soil, uptake in plants and the potassium balance in three European long-term field experiments. *Plant and Soil*, **1999**, 216, 1-14	4.2	70
114	Ammonia surface-exchange above an agricultural field in Southeast England. *Atmospheric Environment*, **1996**, 30, 109-118	5.3	70
113	Impacts of nitrogen application rates on the activity and diversity of denitrifying bacteria in the Broadbalk Wheat Experiment. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 1235-44	5.8	69
112	An inventory of nitrous oxide emissions from agriculture in the UK using the IPCC methodology: emission estimate, uncertainty and sensitivity analysis. *Atmospheric Environment*, **2001**, 35, 1439-1449	5.3	69
111	The effect of agriculture on methane oxidation in soil. *Nutrient Cycling in Agroecosystems*, **1997**, 49, 59-70	3.3	68
110	Nitrous oxide emission from a range of land uses across Europe. *Hydrology and Earth System Sciences*, **2002**, 6, 325-338	5.5	64
109	Effect of antecedent soil moisture conditions on emissions and isotopologue distribution of N2O during denitrification. *Soil Biology and Biochemistry*, **2011**, 43, 240-250	7.5	63
108	Changes of nitrogen deposition in China from 1980 to 2018. *Environment International*, **2020**, 144, 106022	12.9	62
107	Air quality improvement in a megacity: implications from 2015 Beijing Parade Blue pollution control actions. *Atmospheric Chemistry and Physics*, **2017**, 17, 31-46	6.8	61
106	The use of cover crops in cereal-based cropping systems to control nitrate leaching in SE England. *Plant and Soil*, **2005**, 273, 355-373	4.2	61
105	Nitrous oxide emissions from fertilised UK arable soils: Fluxes, emission factors and mitigation. *Agriculture, Ecosystems and Environment*, **2015**, 212, 134-147	5.7	58
104	Short-term effects of nitrogen on methane oxidation in soils. *Biology and Fertility of Soils*, **1998**, 28, 64-70	6.1	57

103	Nitrogen deposition to land from the atmosphere. *Soil Use and Management*, **1990**, 6, 61-63	3.1	57
102	The North Wyke Farm Platform: effect of temperate grassland farming systems on soil moisture contents, runoff and associated water quality dynamics. *European Journal of Soil Science*, **2016**, 67, 374-385	3.4	54
101	Modelling recent and historic soil data from the Rothamsted Experimental Station, UK using SAFE. *Agriculture, Ecosystems and Environment*, **1995**, 53, 161-177	5.7	53
100	Heterogeneity of cation-exchange sites for K?Ca exchange in aluminosilicates. *Journal of Colloid and Interface Science*, **1980**, 78, 15-24	9.3	53
99	Influence of soil carbon content on denitrification from fallow land during autumn. *Journal of the Science of Food and Agriculture*, **1989**, 49, 131-142	4.3	52
98	Nitrogen input, 15N balance and mineral N dynamics in a rice□wheat rotation in southwest China. *Nutrient Cycling in Agroecosystems*, **2007**, 79, 255-265	3.3	51
97	Long-term influence of manure and mineral nitrogen applications on plant and soil 15N and 13C values from the Broadbalk Wheat Experiment. *Rapid Communications in Mass Spectrometry*, **2008**, 22, 1735-40	2.2	50
96	Thermodynamics and Potassium Exchange in Soils and Clay Minerals. *Advances in Agronomy*, **1983**, 36, 215-264	7.7	50
95	Land use, liming and the mobilization of potentially toxic metals. *Agriculture, Ecosystems and Environment*, **1998**, 67, 135-144	5.7	49
94	Comments on "synthetic nitrogen fertilizers deplete soil nitrogen: a global dilemma for sustainable cereal production," by R.L. Mulvaney, s.a. Khan, and T.R. Ellsworth in the Journal of Environmental Quality 2009 38:2295-2314. *Journal of Environmental Quality*, **2010**, 39, 749-52; author reply 753-6	3.4	48
93	Wet and dry nitrogen deposition in the central Sichuan Basin of China. *Atmospheric Environment*, **2016**, 143, 39-50	5.3	47
92	Integrating the environmental and economic consequences of converting to organic agriculture: evidence from a case study. *Land Use Policy*, **1999**, 16, 207-221	5.6	46
91	A review of the impacts of degradation threats on soil properties in the UK. *Soil Use and Management*, **2015**, 31, 1-15	3.1	45
90	Dual isotope and isotopomer measurements for the understanding of N2O production and consumption during denitrification in an arable soil. *European Journal of Soil Science*, **2010**, 61, 364-374	3.4	44
89	Yield responses of arable crops to liming - An evaluation of relationships between yields and soil pH from a long-term liming experiment. *European Journal of Agronomy*, **2019**, 105, 176-188	5	43
88	The electronic Rothamsted Archive (e-RA), an online resource for data from the Rothamsted long-term experiments. *Scientific Data*, **2018**, 5, 180072	8.2	41
87	Carbon and nitrogen dynamics in a grassland soil with varying pH: effect of pH on the denitrification potential and dynamics of the reduction enzymes. *Soil Biology and Biochemistry*, **1998**, 30, 359-367	7.5	40
86	Distribution of nitrogen pools in the soil profile of undisturbed and reseeded grasslands. *Biology and Fertility of Soils*, **2000**, 30, 356-362	6.1	40

85	Soil resilience and recovery: rapid community responses to management changes. *Plant and Soil*, **2017**, 412, 283-297	4.2	39
84	Soil organic matter and the extracellular microbial matrix show contrasting responses to C and N availability. *Soil Biology and Biochemistry*, **2015**, 88, 257-267	7.5	37
83	Multi-year assessment of Unilever's progress towards agricultural sustainability I: indicators, methodology and pilot farm results. *International Journal of Agricultural Sustainability*, **2008**, 6, 37-62	2.2	36
82	Seasonal dynamics of carbon and nitrogen pools and fluxes under continuous arable and ley-arable rotations in a temperate environment. *European Journal of Soil Science*, **2007**, 58, 1410-1424	3.4	36
81	Temporal changes in chemical properties of air-dried stored soils and their interpretation for long-term experiments. *European Journal of Soil Science*, **2000**, 51, 345-353	3.4	36
80	Changes with time in the potassium content and phyllosilicates in the soil of the Broadbalk continuous wheat experiment at Rothamsted. *European Journal of Soil Science*, **1997**, 48, 651-659	3.4	36
79	Impacts of pollution controls on air quality in Beijing during the 2008 Olympic Games. *Journal of Environmental Quality*, **2011**, 40, 37-45	3.4	34
78	Sequestration of C in soils under Miscanthus can be marginal and is affected by genotype-specific root distribution. *Agriculture, Ecosystems and Environment*, **2015**, 200, 169-177	5.7	33
77	Agronomic and environmental causes of yield and nitrogen use efficiency gaps in Chinese rice farming systems. *European Journal of Agronomy*, **2018**, 93, 40-49	5	32
76	Comparison of 15N labelling methods to measure gross nitrogen mineralisation. *Soil Biology and Biochemistry*, **1999**, 31, 2015-2024	7.5	32
75	Charge Heterogeneity in Smectites. *Clays and Clay Minerals*, **1983**, 31, 37-42	2.1	32
74	A new urease-inhibiting formulation decreases ammonia volatilization and improves maize nitrogen utilization in North China Plain. *Scientific Reports*, **2017**, 7, 43853	4.9	31
73	Factors Affecting Nitrogen Use Efficiency and Grain Yield of Summer Maize on Smallholder Farms in the North China Plain. *Sustainability*, **2018**, 10, 363	3.6	30
72	Including trace gas fluxes in estimates of the carbon mitigation potential of UK agricultural land. *Soil Use and Management*, **2000**, 16, 251-259	3.1	30
71	Quantitative assessment of Soil nitrate disappearance and N2O evolution during denitrification. *Soil Biology and Biochemistry*, **1996**, 28, 589-595	7.5	30
70	Mobilization of aluminium in soil by acid deposition and its uptake by grass cut for hay Chemical Time Bomb. *Soil Use and Management*, **1994**, 10, 51-55	3.1	28
69	Effect of land-use change and methane mixing ratio on methane uptake from United Kingdom soil. *Global Change Biology*, **1995**, 1, 209-212	11.4	25
68	Soil Organic Carbon (SOC) Equilibrium and Model Initialisation Methods: an Application to the Rothamsted Carbon (RothC) Model. *Environmental Modeling and Assessment*, **2017**, 22, 215-229	2	23

67	Reduced nitrogen dominated nitrogen deposition in the United States, but its contribution to nitrogen deposition in China decreased. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3590-1	11.5	23
66	Wavelet analysis of the scale- and location-dependent correlation of modelled and measured nitrous oxide emissions from soil. *European Journal of Soil Science*, **2005**, 56, 3-17	3.4	23
65	Nitrogen leaching from winter cereals grown as part of a 5-year ley arable rotation. *European Journal of Agronomy*, **1999**, 10, 99-109	5	23
64	Atmospheric deposition at Rothamsted, Saxmundham, and Woburn experimental stations, England, 1969 1984. *Water, Air, and Soil Pollution*, **1986**, 29, 27-49	2.6	23
63	Disaggregated NO emission factors in China based on cropping parameters create a robust approach to the IPCC Tier 2 methodology. *Atmospheric Environment*, **2015**, 122, 272-281	5.3	21
62	Fungi in century old managed soils could hold key to the development of soil water repellency. *Soil Biology and Biochemistry*, **2012**, 45, 125-127	7.5	21
61	Multi-year assessment of Unilever's progress towards agricultural sustainability II: outcomes for peas (UK), spinach (Germany, Italy), tomatoes (Australia, Brazil, Greece, USA), tea (Kenya, Tanzania, India) and oil palm (Ghana). *International Journal of Agricultural Sustainability*, **2008**, 6, 63-88	2.2	21
60	Comparison of a wet and dry 15N isotopic dilution technique as a short-term nitrification assay. *Soil Biology and Biochemistry*, **1998**, 30, 661-663	7.5	20
59	Spatial and seasonal variations of atmospheric sulfur concentrations and dry deposition at 16 rural and suburban sites in China. *Atmospheric Environment*, **2016**, 146, 79-89	5.3	19
58	Wavelet analysis of the correlations between soil properties and potential nitrous oxide emission at farm and landscape scales. *European Journal of Soil Science*, **2011**, 62, 467-478	3.4	18
57	Impacts of water and nitrogen addition on nitrogen recovery in Haloxylon ammodendron dominated desert ecosystems. *Science of the Total Environment*, **2017**, 601-602, 1280-1288	10.2	17
56	Impact of elevated precipitation, nitrogen deposition and warming on soil respiration in a temperate desert. *Biogeosciences*, **2018**, 15, 2007-2019	4.6	17
55	Effect of one year rotational set-aside on immediate and ensuing nitrogen leaching loss. *Plant and Soil*, **1995**, 177, 203-209	4.2	16
54	Methane fluxes in aerobic soils. *Environmental Monitoring and Assessment*, **1996**, 42, 175-87	3.1	15
53	Apparent Charge Heterogeneity in Kaolins in Relation to Their 2:1 Phyllosilicate Content. *Clays and Clay Minerals*, **1983**, 31, 137-142	2.1	15
52	Impact of 13-years of nitrogen addition on nitrous oxide and methane fluxes and ecosystem respiration in a temperate grassland. *Environmental Pollution*, **2019**, 252, 675-681	9.3	14
51	Soil Organic Matters. *European Journal of Soil Science*, **2011**, 62, 1-4	3.4	14
50	A comparison of lime requirements by five methods on grassland mineral soils in Ireland. *Soil Use and Management*, **2010**, 26, 126-132	3.1	14

49	Analysing spatially intermittent variation of nitrous oxide emissions from soil with wavelets and the implications for sampling. *European Journal of Soil Science*, **2004**, 55, 601-610	3.4	14
48	Nitrate leaching losses and their control in a mixed farm system in the Cotswold Hills, England. *Soil Use and Management*, **2002**, 18, 421-427	3.1	14
47	Fluxes of N2O, CH4 and soil respiration as affected by water and nitrogen addition in a temperate desert. *Geoderma*, **2019**, 337, 770-772	6.7	13
46	Potassium retention and release in rothamsted and saxmundham soils. *Journal of the Science of Food and Agriculture*, **1981**, 32, 667-670	4.3	12
45	Cumulative and partially recoverable impacts of nitrogen addition on a temperate steppe. *Ecological Applications*, **2018**, 28, 237-248	4.9	12
44	Resolving the spatial variability of soil N using fractions of soil organic matter. *Agriculture, Ecosystems and Environment*, **2012**, 147, 66-72	5.7	11
43	Increasing the agricultural, environmental and economic benefits of farming based on suitable crop rotations and optimum fertilizer applications. *Field Crops Research*, **2019**, 240, 78-85	5.5	10
42	Assessment of potassium in soils. *Communications in Soil Science and Plant Analysis*, **1983**, 14, 1015-1033	1.5	10
41	Plant Nutrients in Organic Farming **2009**, 73-88		9
40	Impact of Land Use on Soluble Organic Nitrogen in Soil. *Water, Air and Soil Pollution*, **2004**, 4, 53-60		9
39	Nitrogen. **2002**, 7-27		9
38	Global maps of soil temperature.. *Global Change Biology*, **2021**,	11.4	8
37	A green eco-environment for sustainable development: framework and action. *Frontiers of Agricultural Science and Engineering*, **2020**, 7, 67	1.7	8
36	Impact of Microorganisms on Chemical Transformations in Soil **2007**, 37-59		7
35	Impacts of precipitation, warming and nitrogen deposition on methane uptake in a temperate desert. *Biogeochemistry*, **2019**, 146, 17-29	3.8	6
34	Using digital image analysis to quantify the architectural parameters of roots grown in thin rhizotrons. *Plant Biosystems*, **2010**, 144, 499-506	1.6	6
33	Proven Practices and Innovative Technologies for On-Farm Crop Nitrogen Management **2008**, 483-517		6
32	Rational potassium manuring for arable cropping systems. *Journal of the Science of Food and Agriculture*, **1988**, 46, 1-11	4.3	6

31	Wavelet analysis of the variability of nitrous oxide emissions from soil at decameter to kilometer scales. *Journal of Environmental Quality*, **2013**, 42, 1070-9	3.4	5
30	Major Biological Issues Resulting from Anthropogenic Disturbance of the Nitrogen Cycle (The Third New Phytologist Symposium, Lancaster University, UK, 3 September 1997). *New Phytologist*, **1998**, 139, 1-2	9.8	5
29	Development of an empirical model to predict nitrogen dioxide concentrations from weather variables for sites across the UK. *Atmospheric Environment*, **2005**, 39, 409-417	5.3	5
28	Soil fertility49-85		5
27	Engineering soil organic matter quality: Biodiesel Co-Product (BCP) stimulates exudation of nitrogenous microbial biopolymers. *Geoderma*, **2015**, 259-260, 205-212	6.7	4
26	Geostatistical prediction of nitrous oxide emissions from soil using data, process models and expert opinion. *European Journal of Soil Science*, **2011**, 62, 359-370	3.4	4
25	Nutrient management on farms, or You get out what you put in *Journal of the Science of Food and Agriculture*, **2007**, 87, 177-180	4.3	4
24	Perspectives and Challenges in the Future Use of Plant Nutrients in Tilled and Mixed Agricultural Systems. *Ambio*, **2005**, 34, 283-287	6.5	4
23	Estimating nitrate leaching and denitrification by simultaneous use of Br and 15N tracers. *Journal of the Science of Food and Agriculture*, **1994**, 66, 509-519	4.3	4
22	Overlooked Nonagricultural and Wintertime Agricultural NH3 Emissions in Quzhou County, North China Plain: Evidence from 15N-Stable Isotopes. *Environmental Science and Technology Letters*, **2022**, 9, 127-133	11	4
21	Is it possible to attain the same soil organic matter content in arable agricultural soils as under natural vegetation?. *Outlook on Agriculture*, **2022**, 51, 91-104	2.9	4
20	Nutrient Management in Support of Environmental and Agricultural Sustainability. *Sustainability*, **2012**, 4, 2513-2524	3.6	3
19	EFFECTS OF ORGANIC MATTER AND IRON OXIDES ON CATION EXCHANGE EQUILIBRIA AND POTASSIUM SELECTIVITY IN A VOLCANIC ASH SOIL OF CHILE. *Communications in Soil Science and Plant Analysis*, **2002**, 33, 3663-3677	1.5	3
18	Changes in the heavy metal contents of soil from the Park Grass Experiment at Rothamsted Experimental Station. *Analytical and Bioanalytical Chemistry*, **1996**, 354, 699-702	4.4	3
17	The role of soil organic matter and manures in sustainable nutrient cycling. **2001**, 221-342		3
16	Evolution of secondary inorganic aerosols amidst improving PM air quality in the North China plain. *Environmental Pollution*, **2021**, 281, 117027	9.3	3
15	The Growth and N Retention of Two Annual Desert Plants Varied Under Different Nitrogen Deposition Rates. *Frontiers in Plant Science*, **2019**, 10, 356	6.2	2
14	Reply to Additional Comments on Synthetic Nitrogen Fertilizers Deplete Soil Nitrogen: A Global Dilemma for Sustainable Cereal Production, by R.L. Mulvaney, S.A. Khan, and T.R. Ellsworth in the Journal of Environmental Quality 2009 38:2295314. *Journal of Environmental Quality*, **2010**, 39, 1528-1529	3.4	2

13	Farming, Fertilizers and the Greenhouse Effect. *Outlook on Agriculture*, **1995**, 24, 241-247	2.9	2
12	Perspectives and challenges in the future use of plant nutrients in tilled and mixed agricultural systems. *Ambio*, **2005**, 34, 283-7	6.5	2
11	Monitoring Atmospheric Nitrogen Deposition in China **2020**, 41-65		2
10	Atmospheric reactive nitrogen concentration and deposition trends from 2011 to 2018 at an urban site in north China. *Atmospheric Environment*, **2020**, 224, 117298	5.3	1
9	Commentary: Developing sustainable farming systems by valuing ecosystem services. *International Journal of Agricultural Sustainability*, **2012**, 10, 5-7	2.2	1
8	Impact of land use on soluble organic nitrogen in soil. *Water, Air and Soil Pollution*, **2005**, 4, 53-60		1
7	AGRICULTURAL CARBON MITIGATION OPTIONS IN EUROPE: IMPROVED ESTIMATES AND THE GLOBAL PERSPECTIVE. *Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science*, **2000**, 48, 209-216		1
6	Yield and the 15N Fate in Rice/Maize Season in the Yangtze River Basin. *Agronomy Journal*, **2019**, 111, 517-527	2.2	1
5	Characteristics of airborne bacterial communities across different PM2.5 levels in Beijing during winter and spring. *Atmospheric Research*, **2022**, 273, 106179	5.4	0
4	Mitigation of ammonia volatilization on farm using an N stabilizer □A demonstration in Quzhou, North China Plain. *Agriculture, Ecosystems and Environment*, **2022**, 336, 108011	5.7	0
3	Soil Analyses in the Rothamsted Park Grass Experiment. *Soil & Environment*, **1995**, 503-504		
2	Strategies for farmers and policy makers to control nitrogen losses whilst maintaining crop production. *Science in China Series C: Life Sciences*, **2005**, 48 Spec No, 710-9		
1	Strategies for farmers and policy makers to control nitrogen losses whilst maintaining crop production. *Science in China Series C: Life Sciences*, **2005**, 48 Suppl 2, 710-9		