

Feike A Dijkstra

List of Publications by Year in descending order

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Version: 2024-02-01

162
papers

9,646
citations

36203

51
h-index

45213

90
g-index

163
all docs

163
docs citations

163
times ranked

10125
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying global soil carbon losses in response to warming. <i>Nature</i> , 2016, 540, 104-108.	13.7	879
2	Drought effect on plant nitrogen and phosphorus: a meta-analysis. <i>New Phytologist</i> , 2014, 204, 924-931.	3.5	456
3	C4 grasses prosper as carbon dioxide eliminates desiccation in warmed semi-arid grassland. <i>Nature</i> , 2011, 476, 202-205.	13.7	445
4	Rhizosphere priming: a nutrient perspective. <i>Frontiers in Microbiology</i> , 2013, 4, 216.	1.5	407
5	Simple additive effects are rare: a quantitative review of plant biomass and soil process responses to combined manipulations of CO_2 and temperature. <i>Global Change Biology</i> , 2012, 18, 2681-2693.	4.2	365
6	Interactions between soil and tree roots accelerate long-term soil carbon decomposition. <i>Ecology Letters</i> , 2007, 10, 1046-1053.	3.0	215
7	Climate change alters stoichiometry of phosphorus and nitrogen in a semiarid grassland. <i>New Phytologist</i> , 2012, 196, 807-815.	3.5	209
8	Ageing Induced Changes in Biochar's Functionality and Adsorption Behavior for Phosphate and Ammonium. <i>Environmental Science & Technology</i> , 2017, 51, 8359-8367.	4.6	192
9	Effects of elevated carbon dioxide and increased temperature on methane and nitrous oxide fluxes: evidence from field experiments. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 520-527.	1.9	172
10	Long-Term Aging of Biochar. <i>Advances in Agronomy</i> , 2017, 141, 1-51.	2.4	172
11	Root effects on soil organic carbon: a double-edged sword. <i>New Phytologist</i> , 2021, 230, 60-65.	3.5	169
12	Contrasting effects of elevated CO_2 and warming on nitrogen cycling in a semiarid grassland. <i>New Phytologist</i> , 2010, 187, 426-437.	3.5	150
13	Does accelerated soil organic matter decomposition in the presence of plants increase plant N availability?. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1080-1087.	4.2	140
14	Tree Species Effects on Calcium Cycling: The Role of Calcium Uptake in Deep Soils. <i>Ecosystems</i> , 2002, 5, 385-398.	1.6	136
15	Soil carbon loss regulated by drought intensity and available substrate: A meta-analysis. <i>Soil Biology and Biochemistry</i> , 2017, 112, 90-99.	4.2	130
16	Impacts of warming and elevated CO_2 on a semi-arid grassland are non-additive, shift with precipitation, and reverse over time. <i>Ecology Letters</i> , 2016, 19, 956-966.	3.0	127
17	Carbon sequestration in agricultural lands of the United States. <i>Journal of Soils and Water Conservation</i> , 2010, 65, 6A-13A.	0.8	125
18	Climate change reduces the net sink of CH_4 and N_2O in a semiarid grassland. <i>Global Change Biology</i> , 2013, 19, 1816-1826.	4.2	111

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19	Divergent effects of elevated CO ₂ , N fertilization, and plant diversity on soil C and N dynamics in a grassland field experiment. <i>Plant and Soil</i> , 2005, 272, 41-52.	1.8	107
20	Plant biomass influences rhizosphere priming effects on soil organic matter decomposition in two differently managed soils. <i>Soil Biology and Biochemistry</i> , 2006, 38, 2519-2526.	4.2	107
21	Moisture modulates rhizosphere effects on C decomposition in two different soil types. <i>Soil Biology and Biochemistry</i> , 2007, 39, 2264-2274.	4.2	102
22	Stoichiometric N:P flexibility and mycorrhizal symbiosis favour plant resistance against drought. <i>Journal of Ecology</i> , 2017, 105, 958-967.	1.9	101
23	Carbon and phosphorus addition effects on microbial carbon use efficiency, soil organic matter priming, gross nitrogen mineralization and nitrous oxide emission from soil. <i>Soil Biology and Biochemistry</i> , 2019, 134, 175-186.	4.2	98
24	Synergistic Effects of Biochar and NPK Fertilizer on Soybean Yield in an Alkaline Soil. <i>Pedosphere</i> , 2015, 25, 713-719.	2.1	96
25	Faster turnover of new soil carbon inputs under increased atmospheric CO ₂ . <i>Global Change Biology</i> , 2017, 23, 4420-4429.	4.2	96
26	Nitrogen deposition and plant species interact to influence soil carbon stabilization. <i>Ecology Letters</i> , 2004, 7, 1192-1198.	3.0	91
27	Nitrogen cycling and water pulses in semiarid grasslands: are microbial and plant processes temporally asynchronous?. <i>Oecologia</i> , 2012, 170, 799-808.	0.9	90
28	Plant and microbial uptake of nitrogen and phosphorus affected by drought using ¹⁵ N and ³² P tracers. <i>Soil Biology and Biochemistry</i> , 2015, 82, 135-142.	4.2	87
29	Dry-rewetting cycles regulate wheat carbon rhizodeposition, stabilization and nitrogen cycling. <i>Soil Biology and Biochemistry</i> , 2015, 81, 195-203.	4.2	83
30	Rhizosphere priming effects on soil carbon and nitrogen dynamics among tree species with and without intraspecific competition. <i>New Phytologist</i> , 2018, 218, 1036-1048.	3.5	81
31	Soil microbial community resistance to drought and links to C stabilization in an Australian grassland. <i>Soil Biology and Biochemistry</i> , 2016, 103, 171-180.	4.2	80
32	Effects of Biochar on Soil Microbial Biomass after Four Years of Consecutive Application in the North China Plain. <i>PLoS ONE</i> , 2014, 9, e102062.	1.1	79
33	Aged biochar affects gross nitrogen mineralization and recovery: a ¹⁵ N study in two contrasting soils. <i>GCB Bioenergy</i> , 2017, 9, 1196-1206.	2.5	76
34	Leaf nitrogen and phosphorus of temperate desert plants in response to climate and soil nutrient availability. <i>Scientific Reports</i> , 2014, 4, 6932.	1.6	74
35	Plant nitrogen uptake drives responses of productivity to nitrogen and water addition in a grassland. <i>Scientific Reports</i> , 2014, 4, 4817.	1.6	71
36	Drought effects on <i>Helianthus annuus</i> and <i>Glycine max</i> metabolites: from phloem to root exudates. <i>Rhizosphere</i> , 2016, 2, 85-97.	1.4	70

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37	Calcium weathering in forested soils and the effect of different tree species. <i>Biogeochemistry</i> , 2003, 62, 253-275.	1.7	67
38	Water limitation and plant inter-specific competition reduce rhizosphere-induced C decomposition and plant N uptake. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1073-1082.	4.2	67
39	Calcium mineralization in the forest floor and surface soil beneath different tree species in the northeastern US. <i>Forest Ecology and Management</i> , 2003, 175, 185-194.	1.4	66
40	Soil Processes Affected by Sixteen Grassland Species Grown under Different Environmental Conditions. <i>Soil Science Society of America Journal</i> , 2006, 70, 770-777.	1.2	65
41	Phosphorus addition enhances loss of nitrogen in a phosphorus-poor soil. <i>Soil Biology and Biochemistry</i> , 2015, 82, 99-106.	4.2	65
42	Long-term enhancement of N availability and plant growth under elevated CO ₂ in a semi-arid grassland. <i>Functional Ecology</i> , 2008, 22, 975-982.	1.7	64
43	Differential responses of canopy nutrients to experimental drought along a natural aridity gradient. <i>Ecology</i> , 2018, 99, 2230-2239.	1.5	61
44	PLANT DIVERSITY, CO ₂ , AND N INFLUENCE INORGANIC AND ORGANIC N LEACHING IN GRASSLANDS. <i>Ecology</i> , 2007, 88, 490-500.	1.5	60
45	Response of soil organic matter pools to elevated CO ₂ and warming in a semi-arid grassland. <i>Plant and Soil</i> , 2011, 347, 339-350.	1.8	59
46	Denitrification and associated N ₂ O emissions are limited by phosphorus availability in a grassland soil. <i>Geoderma</i> , 2016, 284, 34-41.	2.3	59
47	Effect of crop rotation on mycorrhizal colonization and wheat yield under different fertilizer treatments. <i>Agriculture, Ecosystems and Environment</i> , 2017, 247, 130-136.	2.5	59
48	Biochar reduces the rhizosphere priming effect on soil organic carbon. <i>Soil Biology and Biochemistry</i> , 2015, 88, 372-379.	4.2	57
49	Sensitivities to nitrogen and water addition vary among microbial groups within soil aggregates in a semiarid grassland. <i>Biology and Fertility of Soils</i> , 2017, 53, 129-140.	2.3	57
50	Elevated CO ₂ and warming effects on CH ₄ uptake in a semiarid grassland below optimum soil moisture. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	55
51	Aluminum solubility and mobility in relation to organic carbon in surface soils affected by six tree species of the northeastern United States. <i>Geoderma</i> , 2003, 114, 33-47.	2.3	54
52	Warming Reduces Carbon Losses from Grassland Exposed to Elevated Atmospheric Carbon Dioxide. <i>PLoS ONE</i> , 2013, 8, e71921.	1.1	53
53	Plant rhizosphere influence on microbial C metabolism: the role of elevated CO ₂ , N availability and root stoichiometry. <i>Biogeochemistry</i> , 2014, 117, 229-240.	1.7	52
54	Disentangling root responses to climate change in a semiarid grassland. <i>Oecologia</i> , 2014, 175, 699-711.	0.9	52

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55	Ensuring planetary survival: the centrality of organic carbon in balancing the multifunctional nature of soils. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4308-4324.	6.6	52
56	The effect of organic acids on base cation leaching from the forest floor under six North American tree species. <i>European Journal of Soil Science</i> , 2001, 52, 205-214.	1.8	51
57	Opportunities and constraints for biochar technology in Australian agriculture: looking beyond carbon sequestration. <i>Soil Research</i> , 2014, 52, 739.	0.6	49
58	Carbon allocation to the rhizosphere is affected by drought and nitrogen addition. <i>Journal of Ecology</i> , 2021, 109, 3699-3709.	1.9	48
59	Inorganic and organic carbon dynamics in a limed acid soil are mediated by plants. <i>Soil Biology and Biochemistry</i> , 2013, 57, 549-555.	4.2	47
60	Elevated CO ₂ effects on semi-arid grassland plants in relation to water availability and competition. <i>Functional Ecology</i> , 2010, 24, 1152-1161.	1.7	46
61	Controls over Soil Nitrogen Pools in a Semiarid Grassland Under Elevated CO ₂ and Warming. <i>Ecosystems</i> , 2012, 15, 761-774.	1.6	45
62	Litter carbon and nutrient chemistry control the magnitude of soil priming effect. <i>Functional Ecology</i> , 2019, 33, 876-888.	1.7	44
63	Water, nitrogen and phosphorus use efficiencies of four tree species in response to variable water and nutrient supply. <i>Plant and Soil</i> , 2016, 406, 187-199.	1.8	43
64	Effect of twenty four wheat genotypes on soil biochemical and microbial properties. <i>Plant and Soil</i> , 2016, 404, 141-155.	1.8	42
65	Challenging terrestrial biosphere models with data from the long-term multifactor Prairie Heating and CO ₂ Enrichment experiment. <i>Global Change Biology</i> , 2017, 23, 3623-3645.	4.2	42
66	Tree Patches Show Greater N Losses but Maintain Higher Soil N Availability than Grassland Patches in a Frequently Burned Oak Savanna. <i>Ecosystems</i> , 2006, 9, 441-452.	1.6	41
67	Influence of life form, taxonomy, climate, and soil properties on shoot and root concentrations of 11 elements in herbaceous plants in a temperate desert. <i>Plant and Soil</i> , 2016, 398, 339-350.	1.8	41
68	Roots of non-woody perennials accelerated long-term soil organic matter decomposition through biological and physical mechanisms. <i>Soil Biology and Biochemistry</i> , 2019, 134, 42-53.	4.2	41
69	Nitrogen addition increases microbial necromass in croplands and bacterial necromass in forests: A global meta-analysis. <i>Soil Biology and Biochemistry</i> , 2022, 165, 108500.	4.2	41
70	Fire Eases Imbalances of Nitrogen and Phosphorus in Woody Plants. <i>Ecosystems</i> , 2015, 18, 769-779.	1.6	39
71	Global analysis of phosphorus fertilizer use efficiency in cereal crops. <i>Global Food Security</i> , 2021, 29, 100545.	4.0	38
72	Changes in soil C:N:P stoichiometry along an aridity gradient in drylands of northern China. <i>Geoderma</i> , 2020, 361, 114087.	2.3	37

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73	Enhanced biological nitrogen fixation and competitive advantage of legumes in mixed pastures diminish with biochar aging. <i>Plant and Soil</i> , 2018, 424, 639-651.	1.8	36
74	Rhizodeposition mediates the effect of nitrogen and phosphorous availability on microbial carbon use efficiency and turnover rate. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107705.	4.2	36
75	Effects of extreme drought on plant nutrient uptake and resorption in rhizomatous vs bunchgrass-dominated grasslands. <i>Oecologia</i> , 2018, 188, 633-643.	0.9	35
76	New soil carbon sequestration with nitrogen enrichment: a meta-analysis. <i>Plant and Soil</i> , 2020, 454, 299-310.	1.8	35
77	Nitrogen enrichment buffers phosphorus limitation by mobilizing mineral-bound soil phosphorus in grasslands. <i>Ecology</i> , 2022, 103, e3616.	1.5	35
78	Plant uptake of nitrogen and phosphorus among grassland species affected by drought along a soil available phosphorus gradient. <i>Plant and Soil</i> , 2020, 448, 121-132.	1.8	34
79	Effects of carbon and phosphorus addition on microbial respiration, N ₂ O emission, and gross nitrogen mineralization in a phosphorus-limited grassland soil. <i>Biology and Fertility of Soils</i> , 2018, 54, 481-493.	2.3	31
80	Microbially mediated CH ₄ consumption and N ₂ O emission is affected by elevated CO ₂ , soil water content, and composition of semi-arid grassland species. <i>Plant and Soil</i> , 2010, 329, 269-281.	1.8	30
81	Thresholds in decoupled soil-plant elements under changing climatic conditions. <i>Plant and Soil</i> , 2016, 409, 159-173.	1.8	30
82	Phosphorus availability and plants alter soil nitrogen retention and loss. <i>Science of the Total Environment</i> , 2019, 671, 786-794.	3.9	30
83	Temperature sensitivity and carbon release in an acidic soil amended with lime and mulch. <i>Geoderma</i> , 2014, 214-215, 168-176.	2.3	29
84	A threshold reveals decoupled relationship of sulfur with carbon and nitrogen in soils across arid and semi-arid grasslands in northern China. <i>Biogeochemistry</i> , 2016, 127, 141-153.	1.7	29
85	Rhizosphere priming of grassland species under different water and nitrogen conditions: a mechanistic hypothesis of C-N interactions. <i>Plant and Soil</i> , 2018, 429, 303-319.	1.8	29
86	Drought-induced and seasonal variation in carbon use efficiency is associated with fungi:bacteria ratio and enzyme production in a grassland ecosystem. <i>Soil Biology and Biochemistry</i> , 2021, 155, 108159.	4.2	29
87	Phosphorus Supply Increases Nitrogen Transformation Rates and Retention in Soil: A Global Meta-Analysis. <i>Earth's Future</i> , 2022, 10, .	2.4	29
88	Carbon dynamics from carbonate dissolution in Australian agricultural soils. <i>Soil Research</i> , 2015, 53, 144.	0.6	28
89	Rhizosphere interactions, carbon allocation, and nitrogen acquisition of two perennial North American grasses in response to defoliation and elevated atmospheric CO ₂ . <i>Oecologia</i> , 2011, 165, 755-770.	0.9	27
90	Elevated CO ₂ and warming cause interactive effects on soil carbon and shifts in carbon use by bacteria. <i>Ecology Letters</i> , 2018, 21, 1639-1648.	3.0	27

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91	Intensity and frequency of nitrogen addition alter soil chemical properties depending on mowing management in a temperate steppe. <i>Journal of Environmental Management</i> , 2018, 224, 77-86.	3.8	27
92	Drought and heat stress reduce yield and alter carbon rhizodeposition of different wheat genotypes. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 157-167.	1.7	27
93	Root effects on the temperature sensitivity of soil respiration depend on climatic condition and ecosystem type. <i>Soil and Tillage Research</i> , 2020, 199, 104574.	2.6	27
94	Biochar application rate does not improve plant water availability in soybean under drought stress. <i>Agricultural Water Management</i> , 2021, 253, 106940.	2.4	27
95	Theoretical Proof and Empirical Confirmation of a Continuous Labeling Method Using Naturally ¹³ C-Depleted Carbon Dioxide. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 401-407.	4.1	26
96	Elevated ozone effects on soil nitrogen cycling differ among wheat cultivars. <i>Applied Soil Ecology</i> , 2016, 108, 187-194.	2.1	26
97	Biochar aging increased microbial carbon use efficiency but decreased biomass turnover time. <i>Geoderma</i> , 2021, 382, 114710.	2.3	26
98	Microbial carbon use efficiency, biomass residence time and temperature sensitivity across ecosystems and soil depths. <i>Soil Biology and Biochemistry</i> , 2021, 154, 108117.	4.2	26
99	Soil Microbes Compete Strongly with Plants for Soil Inorganic and Amino Acid Nitrogen in a Semiarid Grassland Exposed to Elevated CO ₂ and Warming. <i>Ecosystems</i> , 2015, 18, 867-880.	1.6	25
100	Effects of amendments on phosphorous status in soils with different phosphorous levels. <i>Catena</i> , 2019, 172, 97-103.	2.2	25
101	A novel ¹³ C pulse labelling method to quantify the contribution of rhizodeposits to soil respiration in a grassland exposed to drought and nitrogen addition. <i>New Phytologist</i> , 2021, 230, 857-866.	3.5	25
102	Mediation of soil C decomposition by arbuscular mycorrhizal fungi in grass rhizospheres under elevated CO ₂ . <i>Biogeochemistry</i> , 2016, 127, 45-55.	1.7	24
103	Changes of plant N:P stoichiometry across a 3000-km aridity transect in grasslands of northern China. <i>Plant and Soil</i> , 2019, 443, 107-119.	1.8	24
104	Fungicide and Bactericide Effects on Carbon and Nitrogen Cycling in Soils: A Meta-Analysis. <i>Soil Systems</i> , 2019, 3, 23.	1.0	22
105	Arbuscular mycorrhizal trees cause a higher carbon to nitrogen ratio of soil organic matter decomposition via rhizosphere priming than ectomycorrhizal trees. <i>Soil Biology and Biochemistry</i> , 2021, 157, 108246.	4.2	22
106	Variation in specific root length among 23 wheat genotypes affects leaf $\delta^{13}C$ and yield. <i>Agriculture, Ecosystems and Environment</i> , 2017, 246, 21-29.	2.5	22
107	Increased soil moisture content increases plant N uptake and the abundance of ¹⁵ N in plant biomass. <i>Plant and Soil</i> , 2008, 302, 263-271.	1.8	21
108	Mineral-Associated Soil Carbon is Resistant to Drought but Sensitive to Legumes and Microbial Biomass in an Australian Grassland. <i>Ecosystems</i> , 2018, 21, 349-359.	1.6	21

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109	Rhizosphere priming is tightly associated with root-driven aggregate turnover. <i>Soil Biology and Biochemistry</i> , 2020, 149, 107964.	4.2	21
110	Elevated CO_2 and water addition enhance nitrogen turnover in grassland plants with implications for temporal stability. <i>Ecology Letters</i> , 2018, 21, 674-682.	3.0	20
111	Variation in rhizosphere priming and microbial growth and carbon use efficiency caused by wheat genotypes and temperatures. <i>Soil Biology and Biochemistry</i> , 2019, 134, 54-61.	4.2	20
112	Carbon storage and plant-soil linkages among soil aggregates as affected by nitrogen enrichment and mowing management in a meadow grassland. <i>Plant and Soil</i> , 2020, 457, 407-420.	1.8	20
113	Antagonistic effects of species on C respiration and net N mineralization in soils from mixed coniferous plantations. <i>Forest Ecology and Management</i> , 2009, 257, 1112-1118.	1.4	19
114	Biochar Field Study: Greenhouse Gas Emissions, Productivity, and Nutrients in Two Soils. <i>Agronomy Journal</i> , 2016, 108, 1805-1815.	0.9	19
115	Rhizosphere priming effects of <i>Lolium perenne</i> and <i>Trifolium repens</i> depend on phosphorus fertilization and biological nitrogen fixation. <i>Soil Biology and Biochemistry</i> , 2020, 150, 108005.	4.2	19
116	Opposite effects of nitrogen fertilization and plastic film mulching on crop N and P stoichiometry in a temperate agroecosystem. <i>Journal of Plant Ecology</i> , 2019, 12, 682-692.	1.2	18
117	The effects of <i>Glycine max</i> and <i>Helianthus annuus</i> on nutrient availability in two soils. <i>Soil Biology and Biochemistry</i> , 2007, 39, 2160-2163.	4.2	17
118	Higher capability of C3 than C4 plants to use nitrogen inferred from nitrogen stable isotopes along an aridity gradient. <i>Plant and Soil</i> , 2018, 428, 93-103.	1.8	17
119	Chemically oxidized biochar increases ammonium-15N recovery and phosphorus uptake in a grassland. <i>Biology and Fertility of Soils</i> , 2019, 55, 577-588.	2.3	17
120	Tracking Short-Term Effects of Nitrogen-15 Addition on Nitrous Oxide Fluxes Using Fourier-Transform Infrared Spectroscopy. <i>Journal of Environmental Quality</i> , 2013, 42, 1327-1340.	1.0	16
121	Enhanced decomposition and nitrogen mineralization sustain rapid growth of <i>Eucalyptus regnans</i> after wildfire. <i>Journal of Ecology</i> , 2017, 105, 229-236.	1.9	16
122	Decoupling of plant and soil metal nutrients as affected by nitrogen addition in a meadow steppe. <i>Plant and Soil</i> , 2019, 443, 337-351.	1.8	16
123	Exogenous phosphorus compounds interact with nitrogen availability to regulate dynamics of soil inorganic phosphorus fractions in a meadow steppe. <i>Biogeosciences</i> , 2019, 16, 4293-4306.	1.3	16
124	Linking absorptive roots and their functional traits with rhizosphere priming of tree species. <i>Soil Biology and Biochemistry</i> , 2020, 150, 107997.	4.2	16
125	Dual-labeling with ^{15}N and H_2^{18}O to investigate water and N uptake of wheat under different water regimes. <i>Plant and Soil</i> , 2016, 408, 429-441.	1.8	15
126	Biochar-induced reductions in the rhizosphere priming effect are weaker under elevated CO_2 . <i>Soil Biology and Biochemistry</i> , 2020, 142, 107700.	4.2	15

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127	Aridity thresholds of soil microbial metabolic indices along a 3,200 km transect across arid and semi-arid regions in Northern China. <i>PeerJ</i> , 2019, 7, e6712.	0.9	15
128	Crowther et al. reply. <i>Nature</i> , 2018, 554, E7-E8.	13.7	14
129	Studying root water uptake of wheat genotypes in different soils using water $\delta^{18}O$ stable isotopes. <i>Agriculture, Ecosystems and Environment</i> , 2018, 264, 119-129.	2.5	14
130	Response of soil carbon to nitrogen and water addition differs between labile and recalcitrant fractions: Evidence from multi-year data and different soil depths in a semi-arid steppe. <i>Catena</i> , 2019, 172, 857-865.	2.2	13
131	Reallocation of nitrogen and phosphorus from roots drives regrowth of grasses and sedges after defoliation under deficit irrigation and nitrogen enrichment. <i>Journal of Ecology</i> , 2021, 109, 4071-4080.	1.9	13
132	Increased soil organic matter after 28 years of nitrogen fertilization only with plastic film mulching is controlled by maize root biomass. <i>Science of the Total Environment</i> , 2022, 810, 152244.	3.9	12
133	Warming and Elevated CO ₂ Interact to Alter Seasonality and Reduce Variability of Soil Water in a Semiarid Grassland. <i>Ecosystems</i> , 2018, 21, 1533-1544.	1.6	11
134	Carbon and nitrogen dynamics affected by litter and nitrogen addition in a grassland soil: Role of fungi. <i>European Journal of Soil Biology</i> , 2020, 100, 103211.	1.4	11
135	Elevated CO ₂ and Warming Effects on Soil Carbon Sequestration and Greenhouse Gas Exchange in Agroecosystems. , 2012, , 467-486.		10
136	Inter-seasonal Nitrogen Loss with Drought Depends on Fertilizer Management in a Seminatural Australian Grassland. <i>Ecosystems</i> , 2020, 23, 1281-1293.	1.6	10
137	Priming effect varies with root order: A case of <i>Cunninghamia lanceolata</i> . <i>Soil Biology and Biochemistry</i> , 2021, 160, 108354.	4.2	10
138	Nitrogen and phosphorus availability have stronger effects on gross and net nitrogen mineralisation than wheat rhizodeposition. <i>Geoderma</i> , 2022, 405, 115440.	2.3	10
139	Modeling the flow of ^{15}N after a ^{15}N pulse to study long-term N dynamics in a semiarid grassland. <i>Ecology</i> , 2009, 90, 2171-2182.	1.5	9
140	Asymmetric responses of methane uptake to climate warming and cooling of a Tibetan alpine meadow assessed through a reciprocal translocation along an elevation gradient. <i>Plant and Soil</i> , 2016, 402, 263-275.	1.8	9
141	Soil properties determine the elevational patterns of base cations and micronutrients in the plant-soil system up to the upper limits of trees and shrubs. <i>Biogeosciences</i> , 2018, 15, 1763-1774.	1.3	9
142	Biocides provide a source of carbon and nitrogen directly to surviving microbes and indirectly through a pulse in microbial necromass. <i>Applied Soil Ecology</i> , 2021, 160, 103862.	2.1	9
143	Carbon efficiency for nutrient acquisition (CENA) by plants: role of nutrient availability and microbial symbionts. <i>Plant and Soil</i> , 2022, 476, 289-300.	1.8	9
144	Plant roots are more important than temperature in modulating carbon release in a limed acidic soil. <i>European Journal of Soil Science</i> , 2020, 71, 727-739.	1.8	8

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145	Rhizosphere priming effects in soil aggregates with different size classes. <i>Ecosphere</i> , 2020, 11, e03027.	1.0	8
146	Elevated CO ₂ , but not defoliation, enhances N cycling and increases short-term soil N immobilization regardless of N addition in a semiarid grassland. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2247-2256.	4.2	7
147	Variations of N ₂ O fluxes in response to warming and cooling in an alpine meadow on the Tibetan Plateau. <i>Climatic Change</i> , 2017, 143, 129-142.	1.7	7
148	Alteration of soil carbon and nitrogen pools and enzyme activities as affected by increased soil coarseness. <i>Biogeosciences</i> , 2017, 14, 2155-2166.	1.3	7
149	Exogenous P compounds differentially interacted with N availability to regulate enzymatic activities in a meadow steppe. <i>European Journal of Soil Science</i> , 2020, 71, 667-680.	1.8	7
150	Quantifying and reducing uncertainties in estimated soil CO ₂ fluxes with hierarchical data-model integration. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2935-2948.	1.3	6
151	Rhizosphere priming effects of soybean and cottonwood: do they vary with latitude?. <i>Plant and Soil</i> , 2017, 420, 349-360.	1.8	5
152	Nitrogen and phosphorus availability affect wheat carbon allocation pathways: rhizodeposition and mycorrhizal symbiosis. <i>Soil Research</i> , 2020, 58, 125.	0.6	5
153	Stability of elemental content correlates with plant resistance to soil impoverishment. <i>Plant and Soil</i> , 2021, 467, 213-226.	1.8	5
154	Nitrogen Fertilisation Increases Specific Root Respiration in Ectomycorrhizal but Not in Arbuscular Mycorrhizal Plants: A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2021, 12, 711720.	1.7	5
155	Potential gross nitrogen mineralization and its linkage with microbial respiration along a forest transect in eastern China. <i>Applied Soil Ecology</i> , 2022, 171, 104347.	2.1	4
156	Drought Impacts on Tree Root Traits Are Linked to Their Decomposability and Net Carbon Release. <i>Frontiers in Forests and Global Change</i> , 2022, 5, .	1.0	4
157	Crop residue decomposition and nutrient release are independently affected by nitrogen fertilization, plastic film mulching, and residue type. <i>European Journal of Agronomy</i> , 2022, 138, 126535.	1.9	4
158	Interactions between elevated atmospheric CO ₂ and defoliation on North American rangeland plant species at low and high N availability. <i>Grass and Forage Science</i> , 2012, 67, 350-360.	1.2	3
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161	Nutrient Loading in the River Systems Around Major Cities in Bangladesh: A Quantitative Estimate with Consequences and Potential Recycling Options. , 2020, , 111-128.		1
162	Belowground Carbon Efficiency for Nitrogen and Phosphorus Acquisition Varies Between <i>Lolium perenne</i> and <i>Trifolium repens</i> and Depends on Phosphorus Fertilization. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1