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List of Publications by Year
in descending order

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162 papers	9,646 citations	36303 51 h-index	45317 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. Nature, 2016, 540, 104-108.	27.8	879
2	Drought effect on plant nitrogen and phosphorus: a metaâ€analysis. New Phytologist, 2014, 204, 924-931.	7.3	456
3	C4 grasses prosper as carbon dioxide eliminates desiccation in warmed semi-arid grassland. Nature, 2011, 476, 202-205.	27.8	445
4	Rhizosphere priming: a nutrient perspective. Frontiers in Microbiology, 2013, 4, 216.	3.5	407
5	Simple additive effects are rare: a quantitative review of plant biomass and soil process responses to combined manipulations of <scp><scp>CO₂</scp></scp> and temperature. Global Change Biology, 2012, 18, 2681-2693.	9.5	365
6	Interactions between soil and tree roots accelerate longâ€term soil carbon decomposition. Ecology Letters, 2007, 10, 1046-1053.	6.4	215
7	Climate change alters stoichiometry of phosphorus and nitrogen in a semiarid grassland. New Phytologist, 2012, 196, 807-815.	7.3	209
8	Aging Induced Changes in Biocharâ€™s Functionality and Adsorption Behavior for Phosphate and Ammonium. Environmental Science & Technology, 2017, 51, 8359-8367.	10.0	192
9	Effects of elevated carbon dioxide and increased temperature on methane and nitrous oxide fluxes: evidence from field experiments. Frontiers in Ecology and the Environment, 2012, 10, 520-527.	4.0	172
10	Long-Term Aging of Biochar. Advances in Agronomy, 2017, 141, 1-51.	5.2	172
11	Root effects on soil organic carbon: a doubleâ€edged sword. New Phytologist, 2021, 230, 60-65.	7.3	169
12	Contrasting effects of elevated CO₂ and warming on nitrogen cycling in a semiarid grassland. New Phytologist, 2010, 187, 426-437.	7.3	150
13	Does accelerated soil organic matter decomposition in the presence of plants increase plant N availability?. Soil Biology and Biochemistry, 2009, 41, 1080-1087.	8.8	140
14	Tree Species Effects on Calcium Cycling: The Role of Calcium Uptake in Deep Soils. Ecosystems, 2002, 5, 385-398.	3.4	136
15	Soil carbon loss regulated by drought intensity and available substrate: A meta-analysis. Soil Biology and Biochemistry, 2017, 112, 90-99.	8.8	130
16	Impacts of warming and elevated <scp>CO</scp>₂ on a semiâ€arid grassland are nonâ€additive, shift with precipitation, and reverse over time. Ecology Letters, 2016, 19, 956-966.	6.4	127
17	Carbon sequestration in agricultural lands of the United States. Journal of Soils and Water Conservation, 2010, 65, 6A-13A.	1.6	125
18	Climate change reduces the net sink of <scp><scp>CH₄</scp></scp> and <scp><scp>N₂O</scp></scp> in a semiarid grassland. Global Change Biology, 2013, 19, 1816-1826.	9.5	111

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19	Divergent effects of elevated CO2, N fertilization, and plant diversity on soil C and N dynamics in a grassland field experiment. Plant and Soil, 2005, 272, 41-52.	3.7	107
20	Plant biomass influences rhizosphere priming effects on soil organic matter decomposition in two differently managed soils. Soil Biology and Biochemistry, 2006, 38, 2519-2526.	8.8	107
21	Moisture modulates rhizosphere effects on C decomposition in two different soil types. Soil Biology and Biochemistry, 2007, 39, 2264-2274.	8.8	102
22	Stoichiometric N:P flexibility and mycorrhizal symbiosis favour plant resistance against drought. Journal of Ecology, 2017, 105, 958-967.	4.0	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. Soil Biology and Biochemistry, 2019, 134, 175-186.	8.8	98
24	Synergistic Effects of Biochar and NPK Fertilizer on Soybean Yield in an Alkaline Soil. Pedosphere, 2015, 25, 713-719.	4.0	96
25	Faster turnover of new soil carbon inputs under increased atmospheric <scp>CO</scp>₂. Global Change Biology, 2017, 23, 4420-4429.	9.5	96
26	Nitrogen deposition and plant species interact to influence soil carbon stabilization. Ecology Letters, 2004, 7, 1192-1198.	6.4	91
27	Nitrogen cycling and water pulses in semiarid grasslands: are microbial and plant processes temporally asynchronous?. Oecologia, 2012, 170, 799-808.	2.0	90
28	Plant and microbial uptake of nitrogen and phosphorus affected by drought using 15N and 32P tracers. Soil Biology and Biochemistry, 2015, 82, 135-142.	8.8	87
29	Dry-rewetting cycles regulate wheat carbon rhizodeposition, stabilization and nitrogen cycling. Soil Biology and Biochemistry, 2015, 81, 195-203.	8.8	83
30	Rhizosphere priming effects on soil carbon and nitrogen dynamics among tree species with and without intraspecific competition. New Phytologist, 2018, 218, 1036-1048.	7.3	81
31	Soil microbial community resistance to drought and links to C stabilization in an Australian grassland. Soil Biology and Biochemistry, 2016, 103, 171-180.	8.8	80
32	Effects of Biochar on Soil Microbial Biomass after Four Years of Consecutive Application in the North China Plain. PLoS ONE, 2014, 9, e102062.	2.5	79
33	Aged biochar affects gross nitrogen mineralization and recovery: a ¹⁵N study in two contrasting soils. GCB Bioenergy, 2017, 9, 1196-1206.	5.6	76
34	Leaf nitrogen and phosphorus of temperate desert plants in response to climate and soil nutrient availability. Scientific Reports, 2014, 4, 6932.	3.3	74
35	Plant nitrogen uptake drives responses of productivity to nitrogen and water addition in a grassland. Scientific Reports, 2014, 4, 4817.	3.3	71
36	Drought effects on Helianthus annuus and Glycine max metabolites: from phloem to root exudates. Rhizosphere, 2016, 2, 85-97.	3.0	70

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37	Calcium weathering in forested soils and the effect of different tree species. Biogeochemistry, 2003, 62, 253-275.	3.5	67
38	Water limitation and plant inter-specific competition reduce rhizosphere-induced C decomposition and plant N uptake. Soil Biology and Biochemistry, 2010, 42, 1073-1082.	8.8	67
39	Calcium mineralization in the forest floor and surface soil beneath different tree species in the northeastern US. Forest Ecology and Management, 2003, 175, 185-194.	3.2	66
40	Soil Processes Affected by Sixteen Grassland Species Grown under Different Environmental Conditions. Soil Science Society of America Journal, 2006, 70, 770-777.	2.2	65
41	Phosphorus addition enhances loss of nitrogen in a phosphorus-poor soil. Soil Biology and Biochemistry, 2015, 82, 99-106.	8.8	65
42	Longâ€term enhancement of N availability and plant growth under elevated CO₂ in a semiâ€arid grassland. Functional Ecology, 2008, 22, 975-982.	3.6	64
43	Differential responses of canopy nutrients to experimental drought along a natural aridity gradient. Ecology, 2018, 99, 2230-2239.	3.2	61
44	PLANT DIVERSITY, CO2, AND N INFLUENCE INORGANIC AND ORGANIC N LEACHING IN GRASSLANDS. Ecology, 2007, 88, 490-500.	3.2	60
45	Response of soil organic matter pools to elevated CO2 and warming in a semi-arid grassland. Plant and Soil, 2011, 347, 339-350.	3.7	59
46	Denitrification and associated N 2 O emissions are limited by phosphorus availability in a grassland soil. Geoderma, 2016, 284, 34-41.	5.1	59
47	Effect of crop rotation on mycorrhizal colonization and wheat yield under different fertilizer treatments. Agriculture, Ecosystems and Environment, 2017, 247, 130-136.	5.3	59
48	Biochar reduces the rhizosphere priming effect on soil organic carbon. Soil Biology and Biochemistry, 2015, 88, 372-379.	8.8	57
49	Sensitivities to nitrogen and water addition vary among microbial groups within soil aggregates in a semiarid grassland. Biology and Fertility of Soils, 2017, 53, 129-140.	4.3	57
50	Elevated CO₂and warming effects on CH₄uptake in a semiarid grassland below optimum soil moisture. Journal of Geophysical Research, 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. Geoderma, 2003, 114, 33-47.	5.1	54
52	Warming Reduces Carbon Losses from Grassland Exposed to Elevated Atmospheric Carbon Dioxide. PLoS ONE, 2013, 8, e71921.	2.5	53
53	Plant rhizosphere influence on microbial C metabolism: the role of elevated CO2, N availability and root stoichiometry. Biogeochemistry, 2014, 117, 229-240.	3.5	52
54	Disentangling root responses to climate change in a semiarid grassland. Oecologia, 2014, 175, 699-711.	2.0	52

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55	Ensuring planetary survival: the centrality of organic carbon in balancing the multifunctional nature of soils. Critical Reviews in Environmental Science and Technology, 2022, 52, 4308-4324.	12.8	52
56	The effect of organic acids on base cation leaching from the forest floor under six North American tree species. European Journal of Soil Science, 2001, 52, 205-214.	3.9	51
57	Opportunities and constraints for biochar technology in Australian agriculture: looking beyond carbon sequestration. Soil Research, 2014, 52, 739.	1.1	49
58	Carbon allocation to the rhizosphere is affected by drought and nitrogen addition. Journal of Ecology, 2021, 109, 3699-3709.	4.0	48
59	Inorganic and organic carbon dynamics in a limed acid soil are mediated by plants. Soil Biology and Biochemistry, 2013, 57, 549-555.	8.8	47
60	Elevated CO₂ effects on semiâ€arid grassland plants in relation to water availability and competition. Functional Ecology, 2010, 24, 1152-1161.	3.6	46
61	Controls over Soil Nitrogen Pools in a Semiarid Grassland Under Elevated CO2 and Warming. Ecosystems, 2012, 15, 761-774.	3.4	45
62	Litter carbon and nutrient chemistry control the magnitude of soil priming effect. Functional Ecology, 2019, 33, 876-888.	3.6	44
63	Water, nitrogen and phosphorus use efficiencies of four tree species in response to variable water and nutrient supply. Plant and Soil, 2016, 406, 187-199.	3.7	43
64	Effect of twenty four wheat genotypes on soil biochemical and microbial properties. Plant and Soil, 2016, 404, 141-155.	3.7	42
65	Challenging terrestrial biosphere models with data from the longâ€term multifactor Prairie Heating and <scp>CO</scp>₂ Enrichment experiment. Global Change Biology, 2017, 23, 3623-3645.	9.5	42
66	Tree Patches Show Greater N Losses but Maintain Higher Soil N Availability than Grassland Patches in a Frequently Burned Oak Savanna. Ecosystems, 2006, 9, 441-452.	3.4	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. Plant and Soil, 2016, 398, 339-350.	3.7	41
68	Roots of non-woody perennials accelerated long-term soil organic matter decomposition through biological and physical mechanisms. Soil Biology and Biochemistry, 2019, 134, 42-53.	8.8	41
69	Nitrogen addition increases microbial necromass in croplands and bacterial necromass in forests: A global meta-analysis. Soil Biology and Biochemistry, 2022, 165, 108500.	8.8	41
70	Fire Eases Imbalances of Nitrogen and Phosphorus in Woody Plants. Ecosystems, 2015, 18, 769-779.	3.4	39
71	Global analysis of phosphorus fertilizer use efficiency in cereal crops. Global Food Security, 2021, 29, 100545.	8.1	38
72	Changes in soil C:N:P stoichiometry along an aridity gradient in drylands of northern China. Geoderma, 2020, 361, 114087.	5.1	37

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73	Enhanced biological nitrogen fixation and competitive advantage of legumes in mixed pastures diminish with biochar aging. Plant and Soil, 2018, 424, 639-651.	3.7	36
74	Rhizodeposition mediates the effect of nitrogen and phosphorous availability on microbial carbon use efficiency and turnover rate. Soil Biology and Biochemistry, 2020, 142, 107705.	8.8	36
75	Effects of extreme drought on plant nutrient uptake and resorption in rhizomatous vs bunchgrass-dominated grasslands. Oecologia, 2018, 188, 633-643.	2.0	35
76	New soil carbon sequestration with nitrogen enrichment: a meta-analysis. Plant and Soil, 2020, 454, 299-310.	3.7	35
77	Nitrogen enrichment buffers phosphorus limitation by mobilizing mineralâ€bound soil phosphorus in grasslands. Ecology, 2022, 103, e3616.	3.2	35
78	Plant uptake of nitrogen and phosphorus among grassland species affected by drought along a soil available phosphorus gradient. Plant and Soil, 2020, 448, 121-132.	3.7	34
79	Effects of carbon and phosphorus addition on microbial respiration, N2O emission, and gross nitrogen mineralization in a phosphorus-limited grassland soil. Biology and Fertility of Soils, 2018, 54, 481-493.	4.3	31
80	Microbially mediated CH4 consumption and N2O emission is affected by elevated CO2, soil water content, and composition of semi-arid grassland species. Plant and Soil, 2010, 329, 269-281.	3.7	30
81	Thresholds in decoupled soil-plant elements under changing climatic conditions. Plant and Soil, 2016, 409, 159-173.	3.7	30
82	Phosphorus availability and plants alter soil nitrogen retention and loss. Science of the Total Environment, 2019, 671, 786-794.	8.0	30
83	Temperature sensitivity and carbon release in an acidic soil amended with lime and mulch. Geoderma, 2014, 214-215, 168-176.	5.1	29
84	A threshold reveals decoupled relationship of sulfur with carbon and nitrogen in soils across arid and semi-arid grasslands in northern China. Biogeochemistry, 2016, 127, 141-153.	3.5	29
85	Rhizosphere priming of grassland species under different water and nitrogen conditions: a mechanistic hypothesis of C-N interactions. Plant and Soil, 2018, 429, 303-319.	3.7	29
86	Drought-induced and seasonal variation in carbon use efficiency is associated with fungi:bacteria ratio and enzyme production in a grassland ecosystem. Soil Biology and Biochemistry, 2021, 155, 108159.	8.8	29
87	Phosphorus Supply Increases Nitrogen Transformation Rates and Retention in Soil: A Global Metaâ€Analysis. Earth's Future, 2022, 10, .	6.3	29
88	Carbon dynamics from carbonate dissolution in Australian agricultural soils. Soil Research, 2015, 53, 144.	1.1	28
89	Rhizosphere interactions, carbon allocation, and nitrogen acquisition of two perennial North American grasses in response to defoliation and elevated atmospheric CO2. Oecologia, 2011, 165, 755-770.	2.0	27
90	Elevated <scp>CO</scp>₂ and warming cause interactive effects on soil carbon and shifts in carbon use by bacteria. Ecology Letters, 2018, 21, 1639-1648.	6.4	27

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91	Intensity and frequency of nitrogen addition alter soil chemical properties depending on mowing management in a temperate steppe. Journal of Environmental Management, 2018, 224, 77-86.	7.8	27
92	Drought and heat stress reduce yield and alter carbon rhizodeposition of different wheat genotypes. Journal of Agronomy and Crop Science, 2019, 205, 157-167.	3.5	27
93	Root effects on the temperature sensitivity of soil respiration depend on climatic condition and ecosystem type. Soil and Tillage Research, 2020, 199, 104574.	5.6	27
94	Biochar application rate does not improve plant water availability in soybean under drought stress. Agricultural Water Management, 2021, 253, 106940.	5.6	27
95	Theoretical Proof and Empirical Confirmation of a Continuous Labeling Method Using Naturally13C-Depleted Carbon Dioxide. Journal of Integrative Plant Biology, 2007, 49, 401-407.	8.5	26
96	Elevated ozone effects on soil nitrogen cycling differ among wheat cultivars. Applied Soil Ecology, 2016, 108, 187-194.	4.3	26
97	Biochar aging increased microbial carbon use efficiency but decreased biomass turnover time. Geoderma, 2021, 382, 114710.	5.1	26
98	Microbial carbon use efficiency, biomass residence time and temperature sensitivity across ecosystems and soil depths. Soil Biology and Biochemistry, 2021, 154, 108117.	8.8	26
99	Soil Microbes Compete Strongly with Plants for Soil Inorganic and Amino Acid Nitrogen in a Semiarid Grassland Exposed to Elevated CO2 and Warming. Ecosystems, 2015, 18, 867-880.	3.4	25
100	Effects of amendments on phosphorous status in soils with different phosphorous levels. Catena, 2019, 172, 97-103.	5.0	25
101	A novel ¹³C pulseâ€labelling method to quantify the contribution of rhizodeposits to soil respiration in a grassland exposed to drought and nitrogen addition. New Phytologist, 2021, 230, 857-866.	7.3	25
102	Mediation of soil C decomposition by arbuscular mycorrizhal fungi in grass rhizospheres under elevated CO2. Biogeochemistry, 2016, 127, 45-55.	3.5	24
103	Changes of plant N:P stoichiometry across a 3000-km aridity transect in grasslands of northern China. Plant and Soil, 2019, 443, 107-119.	3.7	24
104	Fungicide and Bactericide Effects on Carbon and Nitrogen Cycling in Soils: A Meta-Analysis. Soil Systems, 2019, 3, 23.	2.6	22
105	Arbuscular mycorrhizal trees cause a higher carbon to nitrogen ratio of soil organic matter decomposition via rhizosphere priming than ectomycorrhizal trees. Soil Biology and Biochemistry, 2021, 157, 108246.	8.8	22
106	Variation in specific root length among 23 wheat genotypes affects leaf Î´ 13 C and yield. Agriculture, Ecosystems and Environment, 2017, 246, 21-29.	5.3	22
107	Increased soil moisture content increases plant N uptake and the abundance of 15N in plant biomass. Plant and Soil, 2008, 302, 263-271.	3.7	21
108	Mineral-Associated Soil Carbon is Resistant to Drought but Sensitive to Legumes and Microbial Biomass in an Australian Grassland. Ecosystems, 2018, 21, 349-359.	3.4	21

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109	Rhizosphere priming is tightly associated with root-driven aggregate turnover. Soil Biology and Biochemistry, 2020, 149, 107964.	8.8	21
110	Elevated <scp>CO</scp>₂ and water addition enhance nitrogen turnover in grassland plants with implications for temporal stability. Ecology Letters, 2018, 21, 674-682.	6.4	20
111	Variation in rhizosphere priming and microbial growth and carbon use efficiency caused by wheat genotypes and temperatures. Soil Biology and Biochemistry, 2019, 134, 54-61.	8.8	20
112	Carbon storage and plant-soil linkages among soil aggregates as affected by nitrogen enrichment and mowing management in a meadow grassland. Plant and Soil, 2020, 457, 407-420.	3.7	20
113	Antagonistic effects of species on C respiration and net N mineralization in soils from mixed coniferous plantations. Forest Ecology and Management, 2009, 257, 1112-1118.	3.2	19
114	Biochar Field Study: Greenhouse Gas Emissions, Productivity, and Nutrients in Two Soils. Agronomy Journal, 2016, 108, 1805-1815.	1.8	19
115	Rhizosphere priming effects of Lolium perenne and Trifolium repens depend on phosphorus fertilization and biological nitrogen fixation. Soil Biology and Biochemistry, 2020, 150, 108005.	8.8	19
116	Opposite effects of nitrogen fertilization and plastic film mulching on crop N and P stoichiometry in a temperate agroecosystem. Journal of Plant Ecology, 2019, 12, 682-692.	2.3	18
117	The effects of Glycine max and Helianthus annuus on nutrient availability in two soils. Soil Biology and Biochemistry, 2007, 39, 2160-2163.	8.8	17
118	Higher capability of C3 than C4 plants to use nitrogen inferred from nitrogen stable isotopes along an aridity gradient. Plant and Soil, 2018, 428, 93-103.	3.7	17
119	Chemically oxidized biochar increases ammonium-15N recovery and phosphorus uptake in a grassland. Biology and Fertility of Soils, 2019, 55, 577-588.	4.3	17
120	Tracking Short-Term Effects of Nitrogen-15 Addition on Nitrous Oxide Fluxes Using Fourier-Transform Infrared Spectroscopy. Journal of Environmental Quality, 2013, 42, 1327-1340.	2.0	16
121	Enhanced decomposition and nitrogen mineralization sustain rapid growth of Eucalyptus regnans after wildfire. Journal of Ecology, 2017, 105, 229-236.	4.0	16
122	Decoupling of plant and soil metal nutrients as affected by nitrogen addition in a meadow steppe. Plant and Soil, 2019, 443, 337-351.	3.7	16
123	Exogenous phosphorus compounds interact with nitrogen availability to regulate dynamics of soil inorganic phosphorus fractions in a meadow steppe. Biogeosciences, 2019, 16, 4293-4306.	3.3	16
124	Linking absorptive roots and their functional traits with rhizosphere priming of tree species. Soil Biology and Biochemistry, 2020, 150, 107997.	8.8	16
125	Dual-labeling with 15N and H2 18O to investigate water and N uptake of wheat under different water regimes. Plant and Soil, 2016, 408, 429-441.	3.7	15
126	Biochar-induced reductions in the rhizosphere priming effect are weaker under elevated CO2. Soil Biology and Biochemistry, 2020, 142, 107700.	8.8	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. PeerJ, 2019, 7, e6712.	2.0	15
128	Crowther et al. reply. Nature, 2018, 554, E7-E8.	27.8	14
129	Studying root water uptake of wheat genotypes in different soils using water Î´18O stable isotopes. Agriculture, Ecosystems and Environment, 2018, 264, 119-129.	5.3	14
130	Response of soil carbon to nitrogen and water addition differs between labile and recalcitrant fractions: Evidence from multiâ€“year data and different soil depths in a semi-arid steppe. Catena, 2019, 172, 857-865.	5.0	13
131	Reallocation of nitrogen and phosphorus from roots drives regrowth of grasses and sedges after defoliation under deficit irrigation and nitrogen enrichment. Journal of Ecology, 2021, 109, 4071-4080.	4.0	13
132	Increased soil organic matter after 28Âyears of nitrogen fertilization only with plastic film mulching is controlled by maize root biomass. Science of the Total Environment, 2022, 810, 152244.	8.0	12
133	Warming and Elevated CO2 Interact to Alter Seasonality and Reduce Variability of Soil Water in a Semiarid Grassland. Ecosystems, 2018, 21, 1533-1544.	3.4	11
134	Carbon and nitrogen dynamics affected by litter and nitrogen addition in a grassland soil: Role of fungi. European Journal of Soil Biology, 2020, 100, 103211.	3.2	11
135	Elevated CO2 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. Ecosystems, 2020, 23, 1281-1293.	3.4	10
137	Priming effect varies with root order: A case of Cunninghamia lanceolata. Soil Biology and Biochemistry, 2021, 160, 108354.	8.8	10
138	Nitrogen and phosphorus availability have stronger effects on gross and net nitrogen mineralisation than wheat rhizodeposition. Geoderma, 2022, 405, 115440.	5.1	10
139	Modeling the flow of ¹⁵N after a ¹⁵N pulse to study longâ€term N dynamics in a semiarid grassland. Ecology, 2009, 90, 2171-2182.	3.2	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. Plant and Soil, 2016, 402, 263-275.	3.7	9
141	Soil properties determine the elevational patterns of base cations and micronutrients in the plantâ€“soil system up to the upper limits of trees and shrubs. Biogeosciences, 2018, 15, 1763-1774.	3.3	9
142	Biocides provide a source of carbon and nitrogen directly to surviving microbes and indirectly through a pulse in microbial necromass. Applied Soil Ecology, 2021, 160, 103862.	4.3	9
143	Carbon efficiency for nutrient acquisition (CENA) by plants: role of nutrient availability and microbial symbionts. Plant and Soil, 2022, 476, 289-300.	3.7	9
144	Plant roots are more important than temperature in modulating carbon release in a limed acidic soil. European Journal of Soil Science, 2020, 71, 727-739.	3.9	8

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145	Rhizosphere priming effects in soil aggregates with different size classes. Ecosphere, 2020, 11, e03027.	2.2	8
146	Elevated CO2, but not defoliation, enhances N cycling and increases short-term soil N immobilization regardless of N addition in a semiarid grassland. Soil Biology and Biochemistry, 2011, 43, 2247-2256.	8.8	7
147	Variations of N2O fluxes in response to warming and cooling in an alpine meadow on the Tibetan Plateau. Climatic Change, 2017, 143, 129-142.	3.6	7
148	Alteration of soil carbon and nitrogen pools and enzyme activities as affected by increased soil coarseness. Biogeosciences, 2017, 14, 2155-2166.	3.3	7
149	Exogenous P compounds differentially interacted with N availability to regulate enzymatic activities in a meadow steppe. European Journal of Soil Science, 2020, 71, 667-680.	3.9	7
150	Quantifying and reducing uncertainties in estimated soil CO₂ fluxes with hierarchical dataâ€•model integration. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2935-2948.	3.0	6
151	Rhizosphere priming effects of soybean and cottonwood: do they vary with latitude?. Plant and Soil, 2017, 420, 349-360.	3.7	5
152	Nitrogen and phosphorus availability affect wheat carbon allocation pathways: rhizodeposition and mycorrhizal symbiosis. Soil Research, 2020, 58, 125.	1.1	5
153	Stability of elemental content correlates with plant resistance to soil impoverishment. Plant and Soil, 2021, 467, 213-226.	3.7	5
154	Nitrogen Fertilisation Increases Specific Root Respiration in Ectomycorrhizal but Not in Arbuscular Mycorrhizal Plants: A Meta-Analysis. Frontiers in Plant Science, 2021, 12, 711720.	3.6	5
155	Potential gross nitrogen mineralization and its linkage with microbial respiration along a forest transect in eastern China. Applied Soil Ecology, 2022, 171, 104347.	4.3	4
156	Drought Impacts on Tree Root Traits Are Linked to Their Decomposability and Net Carbon Release. Frontiers in Forests and Global Change, 2022, 5, .	2.3	4
157	Crop residue decomposition and nutrient release are independently affected by nitrogen fertilization, plastic film mulching, and residue type. European Journal of Agronomy, 2022, 138, 126535.	4.1	4
158	Interactions between elevated atmospheric CO₂ and defoliation on North American rangeland plant species at low and high N availability. Grass and Forage Science, 2012, 67, 350-360.	2.9	3
159	Plastics in soil environments: All things considered. Advances in Agronomy, 2022, , 1-132.	5.2	3
160	Soil warming and liming impacts on the recovery of 15 N in an acidic soil under soybean cropping. Journal of Plant Nutrition and Soil Science, 2016, 179, 193-197.	1.9	1
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 Lolium perenne and Trifolium repens and Depends on Phosphorus Fertilization. Frontiers in Plant Science, 0, 13, .	3.6	1