Sarah E Hobbie

List of Publications by Year
in descending order

239 papers	35,391 citations	4370 86 h-index	3714 179 g-index
244 all docs	244 docs citations	244 times ranked	28625 citing authors

#	Article	IF	Citations
1	Dynamics of organic matter molecular composition under aerobic decomposition and their response to the nitrogen addition in grassland soils. Science of the Total Environment, 2022, 806, 150514.	3.9	9
2	Remotely detected aboveground plant function predicts belowground processes in two prairie diversity experiments. Ecological Monographs, 2022, 92, e1488.	2.4	19
3	Soil carbon stocks in temperate grasslands differ strongly across sites but are insensitive to decadeâ€long fertilization. Global Change Biology, 2022, 28, 1659-1677.	4.2	34
4	Hyphae move matter and microbes to mineral microsites: Integrating the hyphosphere into conceptual models of soil organic matter stabilization. Global Change Biology, 2022, 28, 2527-2540.	4.2	68
5	Nitrogen increases earlyâ€stage and slows lateâ€stage decomposition across diverse grasslands. Journal of Ecology, 2022, 110, 1376-1389.	1.9	12
6	Soil enzymes as indicators of soil function: A step toward greater realism in microbial ecological modeling. Global Change Biology, 2022, 28, 1935-1950.	4.2	31
7	Impacts of nutrient addition on soil carbon and nitrogen stoichiometry and stability in globally-distributed grasslands. Biogeochemistry, 2022, 159, 353-370.	1.7	5
8	Realistic rates of nitrogen addition increase carbon flux rates but do not change soil carbon stocks in a temperate grassland. Global Change Biology, 2022, 28, 4819-4831.	4.2	16
9	Root traits as drivers of plant and ecosystem functioning: current understanding, pitfalls and future research needs. New Phytologist, 2021, 232, 1123-1158.	3.5	277
10	Increasing effects of chronic nutrient enrichment on plant diversity loss and ecosystem productivity over time. Ecology, 2021, 102, e03218.	1.5	62
11	Distinct carbon fractions drive a generalisable twoâ€pool model of fungal necromass decomposition. Functional Ecology, 2021, 35, 796-806.	1.7	14
12	Decadal changes in fire frequencies shift tree communities and functional traits. Nature Ecology and Evolution, 2021, 5, 504-512.	3.4	41
13	Keeping up with the Times: Equity Issue is Now Added to Our Selfâ€Reflection Worksheet for Improving Scientific Mentoring. Bulletin of the Ecological Society of America, 2021, 102, e01841.	0.2	0
14	Experimental nitrogen fertilisation globally accelerates, then slows decomposition of leaf litter. Ecology Letters, 2021, 24, 802-811.	3.0	41
15	Soil organic carbon is not just for soil scientists: measurement recommendations for diverse practitioners. Ecological Applications, 2021, 31, e02290.	1.8	18
16	Disease and fire interact to influence transitions between savannaâ€“forest ecosystems over a multiâ€decadal experiment. Ecology Letters, 2021, 24, 1007-1017.	3.0	11
17	Sensitivity of grassland carbon pools to plant diversity, elevated CO ₂ , and soil nitrogen addition over 19 years. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
18	SoDaH: the SOils DAta Harmonization database, an open-source synthesis of soil data from research networks, version 1.0. Earth System Science Data, 2021, 13, 1843-1854.	3.7	17

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19	Resilience: insights from the U.S. LongTerm Ecological Research Network. Ecosphere, 2021, 12, e03434.	1.0	11
20	Lowâ€intensity frequent fires in coniferous forests transform soil organic matter in ways that may offset ecosystem carbon losses. Global Change Biology, 2021, 27, 3810-3823.	4.2	27
21	Soil nutrients increase longâ€term soil carbon gains threefold on retired farmland. Global Change Biology, 2021, 27, 4909-4920.	4.2	17
22	Residential yard management and landscape cover affect urban bird community diversity across the continental USA. Ecological Applications, 2021, 31, e02455.	1.8	35
23	Patterns and trends of organic matter processing and transport: Insights from the US long-term ecological research network. Climate Change Ecology, 2021, 2, 100025.	0.9	3
24	A starting guide to root ecology: strengthening ecological concepts and standardising root classification, sampling, processing and trait measurements. New Phytologist, 2021, 232, 973-1122.	3.5	216
25	Urban plant diversity in Los Angeles, California: Species and functional type turnover in cultivated landscapes. Plants People Planet, 2020, 2, 144-156.	1.6	35
26	Urban soil carbon and nitrogen converge at a continental scale. Ecological Monographs, 2020, 90, e01401.	2.4	32
27	Linking yard plant diversity to homeownersâ€™ landscaping priorities across the U.S. Landscape and Urban Planning, 2020, 196, 103730.	3.4	23
28	Microbial functional genes commonly respond to elevated carbon dioxide. Environment International, 2020, 144, 106068.	4.8	20
29	Restoring Abandoned Farmland to Mitigate Climate Change on a Full Earth. One Earth, 2020, 3, 176-186.	3.6	60
30	Synergistic effects of four climate change drivers on terrestrial carbon cycling. Nature Geoscience, 2020, 13, 787-793.	5.4	45
31	Municipal regulation of residential landscapes across US cities: Patterns and implications for landscape sustainability. Journal of Environmental Management, 2020, 275, 111132.	3.8	34
32	Diversityâ€dependent soil acidification under nitrogen enrichment constrains biomass productivity. Global Change Biology, 2020, 26, 6594-6603.	4.2	31
33	Warming and disturbance alter soil microbiome diversity and function in a northern forest ecotone. FEMS Microbiology Ecology, 2020, 96, .	1.3	14
34	Interactive effects of elevated <scp>CO₂</scp>, warming, reduced rainfall, and nitrogen on leaf gas exchange in five perennial grassland species. Plant, Cell and Environment, 2020, 43, 1862-1878.	2.8	17
35	Microbial processing of plant remains is coâ€limited by multiple nutrients in global grasslands. Global Change Biology, 2020, 26, 4572-4582.	4.2	27
36	Repeated fire shifts carbon and nitrogen cycling by changing plant inputs and soil decomposition across ecosystems. Ecological Monographs, 2020, 90, e01409.	2.4	47

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37	Taxonomic, phylogenetic, and functional composition and homogenization of residential yard vegetation with contrasting management. Landscape and Urban Planning, 2020, 202, 103877.	3.4	19
38	Nutrient availability controls the impact of mammalian herbivores on soil carbon and nitrogen pools in grasslands. Global Change Biology, 2020, 26, 2060-2071.	4.2	43
39	Functional diversity of leaf litter mixtures slows decomposition of labile but not recalcitrant carbon over two years. Ecological Monographs, 2020, 90, e01407.	2.4	55
40	Horticultural availability and homeowner preferences drive plant diversity and composition in urban yards. Ecological Applications, 2020, 30, e02082.	1.8	30
41	Frequent burning causes large losses of carbon from deep soil layers in a temperate savanna. Journal of Ecology, 2020, 108, 1426-1441.	1.9	23
42	Nature-based approaches to managing climate change impacts in cities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190124.	1.8	132
43	Strong mineralogic control of soil organic matter composition in response to nutrient addition across diverse grassland sites. Science of the Total Environment, 2020, 736, 137839.	3.9	29
44	Stimulation of soil respiration by elevated CO₂is enhanced under nitrogen limitation in a decade-long grassland study. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33317-33324.	3.3	34
45	Linking Foliar Traits to Belowground Processes. , 2020, , 173-197.		4
46	Century-scale wood nitrogen isotope trajectories from an oak savanna with variable fire frequencies. Biogeosciences, 2020, 17, 4509-4522.	1.3	4
47	Non-symbiotic soil microbes are more strongly influenced by altered tree biodiversity than arbuscular mycorrhizal fungi during initial forest establishment. FEMS Microbiology Ecology, 2019, 95, .	1.3	3
48	Residential household yard care practices along urban-exurban gradients in six climatically-diverse U.S. metropolitan areas. PLoS ONE, 2019, 14, e0222630.	1.1	19
49	Strong photosynthetic acclimation and enhanced waterâ€use efficiency in grassland functional groups persist over 21Âyears of CO₂ enrichment, independent of nitrogen supply. Global Change Biology, 2019, 25, 3031-3044.	4.2	32
50	Contribution of nonâ€native plants to the phylogenetic homogenization of U.S. yard floras. Ecosphere, 2019, 10, e02638.	1.0	24
51	Soil microbial, nematode, and enzymatic responses to elevated CO2, N fertilization, warming, and reduced precipitation. Soil Biology and Biochemistry, 2019, 135, 184-193.	4.2	64
52	Sensitivity of global soil carbon stocks to combined nutrient enrichment. Ecology Letters, 2019, 22, 936-945.	3.0	75
53	Global patterns in fine root decomposition: climate, chemistry, mycorrhizal association and woodiness. Ecology Letters, 2019, 22, 946-953.	3.0	110
54	Belowground Biomass Response to Nutrient Enrichment Depends on Light Limitation Across Globally Distributed Grasslands. Ecosystems, 2019, 22, 1466-1477.	1.6	34

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55	Long-Term Nitrogen Addition Does Not Increase Soil Carbon Storage or Cycling Across Eight Temperate Forest and Grassland Sites on a Sandy Outwash Plain. Ecosystems, 2019, 22, 1592-1605.	1.6	16
56	Legumes regulate grassland soil N cycling and its response to variation in species diversity and N supply but not CO₂. Global Change Biology, 2019, 25, 2396-2409.	4.2	21
57	Climate and lawn management interact to control C4plant distribution in residential lawns across seven U.S. cities. Ecological Applications, 2019, 29, e01884.	1.8	8
58	Soil organic carbon stability in forests: Distinct effects of tree species identity and traits. Global Change Biology, 2019, 25, 1529-1546.	4.2	104
59	Neighborhood diversity simultaneously increased and decreased susceptibility to contrasting herbivores in an early stage forest diversity experiment. Journal of Ecology, 2019, 107, 1492-1505.	1.9	22
60	Drivers of plant species richness and phylogenetic composition in urban yards at the continental scale. Landscape Ecology, 2019, 34, 63-77.	1.9	31
61	Social-ecological and technological factors moderate the value of urban nature. Nature Sustainability, 2019, 2, 29-38.	11.5	293
62	Allometry of fine roots in forest ecosystems. Ecology Letters, 2019, 22, 322-331.	3.0	37
63	Mapping foliar functional traits and their uncertainties across three years in a grassland experiment. Remote Sensing of Environment, 2019, 221, 405-416.	4.6	89
64	Unexpected reversal of C ₃ versus C ₄ grass response to elevated CO ₂ during a 20-year field experiment. Science, 2018, 360, 317-320.	6.0	212
65	Reduced feeding activity of soil detritivores under warmer and drier conditions. Nature Climate Change, 2018, 8, 75-78.	8.1	117
66	A tale of two studies: Detection and attribution of the impacts of invasive plants in observational surveys. Journal of Applied Ecology, 2018, 55, 1780-1789.	1.9	6
67	Homogenization of plant diversity, composition, and structure in North American urban yards. Ecosphere, 2018, 9, e02105.	1.0	68
68	Nitrate is an important nitrogen source for Arctic tundra plants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3398-3403.	3.3	102
69	Effect of Simulated Climate Warming on the Ectomycorrhizal Fungal Community of Boreal and Temperate Host Species Growing Near Their Shared Ecotonal Range Limits. Microbial Ecology, 2018, 75, 348-363.	1.4	34
70	Fire frequency drives decadal changes in soil carbon and nitrogen and ecosystem productivity. Nature, 2018, 553, 194-198.	13.7	325
71	Resource availability underlies the plantâ€fungal diversity relationship in a grassland ecosystem. Ecology, 2018, 99, 204-216.	1.5	91
72	Uniform shrub growth response to June temperature across the North Slope of Alaska. Environmental Research Letters, 2018, 13, 044013.	2.2	27

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73	Effects of climate warming on photosynthesis in boreal tree species depend on soil moisture. Nature, 2018, 562, 263-267.	13.7	248
74	Contrasting dynamics and trait controls in first-order root compared with leaf litter decomposition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10392-10397.	3.3	168
75	Response to Comment on â€œUnexpected reversal of C ₃ versus C ₄ grass response to elevated CO ₂ during a 20-year field experimentâ€. Science, 2018, 361, .	6.0	7
76	Plant spectral diversity integrates functional and phylogenetic components of biodiversity and predicts ecosystem function. Nature Ecology and Evolution, 2018, 2, 976-982.	3.4	185
77	A multi-city comparison of front and backyard differences in plant species diversity and nitrogen cycling in residential landscapes. Landscape and Urban Planning, 2018, 178, 102-111.	3.4	20
78	Sediment chemistry of urban stormwater ponds and controls on denitrification. Ecosphere, 2018, 9, e02318.	1.0	22
79	Organic nitrogen addition suppresses fungal richness and alters community composition in temperate forest soils. Soil Biology and Biochemistry, 2018, 125, 222-230.	4.2	27
80	Ideas and perspectives: Strengthening the biogeosciences in environmental research networks. Biogeosciences, 2018, 15, 4815-4832.	1.3	24
81	Response to Comment on â€œUnexpected reversal of C ₃ versus C ₄ grass response to elevated CO ₂ during a 20-year field experimentâ€. Science, 2018, 361, .	6.0	3
82	Plant diversity maintains multiple soil functions in future environments. ELife, 2018, 7, .	2.8	54
83	Contribution of Leaf Litter to Nutrient Export during Winter Months in an Urban Residential Watershed. Environmental Science & Technology, 2017, 51, 3138-3147.	4.6	52
84	Arctic shrub growth trajectories differ across soil moisture levels. Global Change Biology, 2017, 23, 4294-4302.	4.2	85
85	Climate, soil and plant functional types as drivers of global fineâ€root trait variation. Journal of Ecology, 2017, 105, 1182-1196.	1.9	234
86	Disentangling species and functional group richness effects on soil N cycling in a grassland ecosystem. Global Change Biology, 2017, 23, 4717-4727.	4.2	24
87	Ecological homogenization of residential macrosystems. Nature Ecology and Evolution, 2017, 1, 191.	3.4	69
88	Continental-scale homogenization of residential lawn plant communities. Landscape and Urban Planning, 2017, 165, 54-63.	3.4	82
89	Contrasting nitrogen and phosphorus budgets in urban watersheds and implications for managing urban water pollution. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4177-4182.	3.3	268
90	Metagenomic reconstruction of nitrogen cycling pathways in a CO2-enriched grassland ecosystem. Soil Biology and Biochemistry, 2017, 106, 99-108.	4.2	63

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91	Species richness and traits predict overyielding in stem growth in an earlyâ€successional tree diversity experiment. Ecology, 2017, 98, 2601-2614.	1.5	68
92	Harnessing plant spectra to integrate the biodiversity sciences across biological and spatial scales. American Journal of Botany, 2017, 104, 966-969.	0.8	92
93	Trees and Streets as Drivers of Urban Stormwater Nutrient Pollution. Environmental Science & Technology, 2017, 51, 9569-9579.	4.6	66
94	Identifying environmental drivers of greenhouse gas emissions under warming and reduced rainfall in borealâ€“temperate forests. Functional Ecology, 2017, 31, 2356-2368.	1.7	56
95	Moving Towards a New Urban Systems Science. Ecosystems, 2017, 20, 38-43.	1.6	63
96	Ectomycorrhizal fungal response to warming is linked to poor host performance at the borealâ€temperate ecotone. Global Change Biology, 2017, 23, 1598-1609.	4.2	100
97	Elevated carbon dioxide accelerates the spatial turnover of soil microbial communities. Global Change Biology, 2016, 22, 957-964.	4.2	57
98	Plant nitrogen concentration and isotopic composition in residential lawns across seven US cities. Oecologia, 2016, 181, 271-285.	0.9	29
99	Convergence of microclimate in residential landscapes across diverse cities in the United States. Landscape Ecology, 2016, 31, 101-117.	1.9	78
100	Mechanisms driving the soil organic matter decomposition response to nitrogen enrichment in grassland soils. Soil Biology and Biochemistry, 2016, 99, 54-65.	4.2	205
101	Evolutionary Legacy Effects on Ecosystems: Biogeographic Origins, Plant Traits, and Implications for Management in the Era of Global Change. Annual Review of Ecology, Evolution, and Systematics, 2016, 47, 433-462.	3.8	73
102	Effects of soil warming history on the performances of congeneric temperate and boreal herbaceous plant species and their associations with soil biota. Journal of Plant Ecology, 2016, , rtw066.	1.2	3
103	Satisfaction, water and fertilizer use in the American residential macrosystem. Environmental Research Letters, 2016, 11, 034004.	2.2	26
104	Urban trees reduce nutrient leaching to groundwater. Ecological Applications, 2016, 26, 1566-1580.	1.8	32
105	Ecosystem services in managing residential landscapes: priorities, value dimensions, and cross-regional patterns. Urban Ecosystems, 2016, 19, 95-113.	1.1	93
106	Light, earthworms, and soil resources as predictors of diversity of 10 soil invertebrate groups across monocultures of 14 tree species. Soil Biology and Biochemistry, 2016, 92, 184-198.	4.2	91
107	The Diversity and Co-occurrence Patterns of N2-Fixing Communities in a CO2-Enriched Grassland Ecosystem. Microbial Ecology, 2016, 71, 604-615.	1.4	52
108	Lifeâ€history evolution in the anthropocene: effects of increasing nutrients on traits and tradeâ€offs. Evolutionary Applications, 2015, 8, 635-649.	1.5	57

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109	Interactive effects of plants, decomposers, herbivores, and predators on nutrient cycling. , 2015, , 233-259.		8
110	Contrasting effects of plant species traits and moisture on the decomposition of multiple litter fractions. Oecologia, 2015, 179, 573-584.	0.9	13
111	Design and performance of combined infrared canopy and belowground warming in the B4Warm<scp>ED</scp> (Boreal Forest Warming at an Ecotone in Danger) experiment. Global Change Biology, 2015, 21, 2334-2348.	4.2	65
112	Geographic range predicts photosynthetic and growth response to warming in co-occurring treeÂspecies. Nature Climate Change, 2015, 5, 148-152.	8.1	179
113	Fungal Communities Respond to Long-Term CO ₂ Elevation by Community Reassembly. Applied and Environmental Microbiology, 2015, 81, 2445-2454.	1.4	48
114	Nitrogen addition changes grassland soil organic matter decomposition. Biogeochemistry, 2015, 125, 203-219.	1.7	157
115	Anthropogenic nitrogen deposition predicts local grassland primary production worldwide. Ecology, 2015, 96, 1459-1465.	1.5	143
116	Why â€œFeed the Lawnâ€? Exploring the Influences on Residential Turf Grass Fertilization in the Minneapolisâ^'Saint Paul Metropolitan Area. Environment and Behavior, 2015, 47, 158-183.	2.1	35
117	Plant species effects on nutrient cycling: revisiting litter feedbacks. Trends in Ecology and Evolution, 2015, 30, 357-363.	4.2	379
118	Effects of litter traits, soil biota, and soil chemistry on soil carbon stocks at a common garden with 14 tree species. Biogeochemistry, 2015, 123, 313-327.	1.7	77
119	Consistent responses of soil microbial communities to elevated nutrient inputs in grasslands across the globe. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10967-10972.	3.3	1,023
120	Assessing the homogenization of urban land management with an application to US residential lawn care. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4432-4437.	3.3	164
121	Ecological homogenization of urban USA. Frontiers in Ecology and the Environment, 2014, 12, 74-81.	1.9	343
122	Contrasting influences of stormflow and baseflow pathways on nitrogen and phosphorus export from an urban watershed. Biogeochemistry, 2014, 121, 209-228.	1.7	77
123	Convergent Surface Water Distributions in U.S. Cities. Ecosystems, 2014, 17, 685-697.	1.6	56
124	Plant growth enhancement by elevated CO2 eliminated by joint water and nitrogen limitation. Nature Geoscience, 2014, 7, 920-924.	5.4	251
125	Nematode community shifts in response to experimental warming and canopy conditions are associated with plant community changes in the temperate-boreal forest ecotone. Oecologia, 2014, 175, 713-723.	0.9	80
126	Decomposition of tree leaf litter on pavement: implications for urban water quality. Urban Ecosystems, 2014, 17, 369-385.	1.1	48

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127	Bioavailability of dissolved organic carbon across a hillslope chronosequence in the Kuparuk River region, Alaska. Soil Biology and Biochemistry, 2014, 79, 25-33.	4.2	9
128	Some plants like it warmer: Increased growth of three selected invasive plant species in soils with a history of experimental warming. Pedobiologia, 2014, 57, 57-60.	0.5	11
129	Terrestrial Ecosystems at Toolik Lake, Alaska. , 2014, , 90-142.		29
130	Elevated CO2 influences microbial carbon and nitrogen cycling. BMC Microbiology, 2013, 13, 124.	1.3	47
131	Root depth distribution and the diversityâ€“productivity relationship in a longâ€term grassland experiment. Ecology, 2013, 94, 787-793.	1.5	233
132	Plant diversity effects on soil food webs are stronger than those of elevated CO ₂ and N deposition in a long-term grassland experiment. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6889-6894.	3.3	204
133	Nutrient enrichment, biodiversity loss, and consequent declines in ecosystem productivity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11911-11916.	3.3	511
134	Positive feedbacks between decomposition and soil nitrogen availability along fertility gradients. Plant and Soil, 2013, 367, 347-361.	1.8	58
135	Effects of plant diversity, <scp>N</scp> fertilization, and elevated carbon dioxide on grassland soil <scp>N</scp> cycling in a longâ€term experiment. Global Change Biology, 2013, 19, 1249-1261.	4.2	94
136	The Qualities and Impacts of a Great Mentorâ€"and How to Improve your own Mentoring. Bulletin of the Ecological Society of America, 2013, 94, 170-176.	0.2	0
137	Decade-long soil nitrogen constraint on the CO2 fertilization of plant biomass. Nature Climate Change, 2013, 3, 278-282.	8.1	202
138	Regional Contingencies in the Relationship between Aboveground Biomass and Litter in the Worldâ€™s Grasslands. PLoS ONE, 2013, 8, e54988.	1.1	27
139	Past, Present, and Future Roles of Long-Term Experiments in the LTER Network. BioScience, 2012, 62, 377-389.	2.2	116
140	Do evergreen and deciduous trees have different effects on net N mineralization in soil?. Ecology, 2012, 93, 1463-1472.	1.5	45
141	Elevated Carbon Dioxide Alters the Structure of Soil Microbial Communities. Applied and Environmental Microbiology, 2012, 78, 2991-2995.	1.4	93
142	Effects of pH and calcium on soil organic matter dynamics in Alaskan tundra. Biogeochemistry, 2012, 111, 569-581.	1.7	96
143	Tree species effects on coupled cycles of carbon, nitrogen, and acidity in mineral soils at a common garden experiment. Biogeochemistry, 2012, 111, 601-614.	1.7	184
144	Potential impacts of emerald ash borer invasion on biogeochemical and water cycling in residential landscapes across a metropolitan region. Urban Ecosystems, 2012, 15, 1015-1030.	1.1	5

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145	Impacts of Biodiversity Loss Escalate Through Time as Redundancy Fades. Science, 2012, 336, 589-592.	6.0	672
146	Sinks for nitrogen inputs in terrestrial ecosystems: a metaâ€anal ysis of ¹⁵N tracer field studies. Ecology, 2012, 93, 1816-1829.	1.5	192
147	Response of decomposing litter and its microbial community to multiple forms of nitrogen enrichment. Ecological Monographs, 2012, 82, 389-405.	2.4	237
148	Phylogenetic and functional characteristics of household yard floras and their changes along an urbanization gradient. Ecology, 2012, 93, S83.	1.5	115
149	Estimating Litter Decomposition Rate in Single-Pool Models Using Nonlinear Beta Regression. PLoS ONE, 2012, 7, e45140.	1.1	7
150	The phylogenetic composition and structure of soil microbial communities shifts in response to elevated carbon dioxide. ISME Journal, 2012, 6, 259-272.	4.4	110
151	Biodiversity, Nitrogen Deposition, and CO2 Affect Grassland Soil Carbon Cycling but not Storage. Ecosystems, 2012, 15, 580-590.	1.6	43
152	The effect of experimental warming and precipitation change on proteolytic enzyme activity: positive feedbacks to nitrogen availability are not universal. Global Change Biology, 2012, 18, 2617-2625.	4.2	80
153	The residential landscape: fluxes of elements and the role of household decisions. Urban Ecosystems, 2012, 15, 1-18.	1.1	54
154	Carbon, nitrogen, and phosphorus fluxes in household ecosystems in the Minneapolis-Saint Paul, Minnesota, urban region. , 2011, 21, 619-639.		96
155	A reply to Jarchow and Liebman. Frontiers in Ecology and the Environment, 2011, 9, 262-263.	1.9	0
156	Elevated <scp><scp>CO₂</scp></scp> stimulates grassland soil respiration by increasing carbon inputs rather than by enhancing soil moisture. Global Change Biology, 2011, 17, 3546-3563.	4.2	85
157	Decomposition of the finest root branching orders: linking belowground dynamics to fine-root function and structure. Ecological Monographs, 2011, 81, 89-102.	2.4	149
158	Planetary Stewardship Begins at Home. Bulletin of the Ecological Society of America, 2011, 92, 389-391.	0.2	2
159	Effects of Landscape Age on Soil Organic Matter Processing in Northern Alaska. Soil Science Society of America Journal, 2011, 75, 907-917.	1.2	22
160	The Role of Photodegradation in Surface Litter Decomposition Across a Grassland Ecosystem Precipitation Gradient. Ecosystems, 2010, 13, 765-781.	1.6	161
161	Fine root decomposition rates do not mirror those of leaf litter among temperate tree species. Oecologia, 2010, 162, 505-513.	0.9	229
162	Factors influencing limit values for pine needle litter decomposition: a synthesis for boreal and temperate pine forest systems. Biogeochemistry, 2010, 100, 57-73.	1.7	157

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163	The effects of substrate composition, quantity, and diversity on microbial activity. Plant and Soil, 2010, 335, 397-411.	1.8	162
164	Metagenomic analysis reveals a marked divergence in the structure of belowground microbial communities at elevated CO₂. Ecology Letters, 2010, 13, 564-575.	3.0	252
165	Singleâ€pool exponential decomposition models: potential pitfalls in their use in ecological studies. Ecology, 2010, 91, 1225-1236.	1.5	60
166	Limited potential for terrestrial carbon sequestration to offset fossilâ€fuel emissions in the upper midwestern US. Frontiers in Ecology and the Environment, 2010, 8, 409-413.	1.9	25
167	Effects of Long-Term Nitrogen Addition on Microbial Enzyme Activity in Eight Forested and Grassland Sites: Implications for Litter and Soil Organic Matter Decomposition. Ecosystems, 2009, 12, 1-15.	1.6	326
168	Interactive Effects of Time, CO2, N, and Diversity on Total Belowground Carbon Allocation and Ecosystem Carbon Storage in a Grassland Community. Ecosystems, 2009, 12, 1037-1052.	1.6	92
169	Resource Amendments Influence Density and Competitive Phenotypes of Streptomyces in Soil. Microbial Ecology, 2009, 57, 413-420.	1.4	83
170	Longâ€lasting effects on nitrogen cycling 12 years after treatments cease despite minimal longâ€term nitrogen retention. Global Change Biology, 2009, 15, 1755-1766.	4.2	40
171	Linkages between plant functional composition, fine root processes and potential soil N mineralization rates. Journal of Ecology, 2009, 97, 48-56.	1.9	145
172	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.	1.4	19
173	Effects of fire frequency on oak litter decomposition and nitrogen dynamics. Oecologia, 2008, 158, 535-543.	0.9	42
174	Plant species traits are the predominant control on litter decomposition rates within biomes worldwide. Ecology Letters, 2008, 11, 1065-1071.	3.0	1,913
175	Stoichiometry of soil enzyme activity at global scale. Ecology Letters, 2008, 11, 1252-1264.	3.0	1,684
176	NITROGEN EFFECTS ON DECOMPOSITION: A FIVEâ€YEAR EXPERIMENT IN EIGHT TEMPERATE SITES. Ecology, 2008, 89, 2633-2644.	1.5	223
177	LONGâ€TERM BURNING INTERACTS WITH HERBIVORY TO SLOW DECOMPOSITION. Ecology, 2008, 89, 1188-1194	1.5	27
178	PLANT DIVERSITY, CO2, AND N INFLUENCE INORGANIC AND ORGANIC N LEACHING IN GRASSLANDS. Ecology, 2007, 88, 490-500.	1.5	60
179	Is oak establishment in old-fields and savanna openings context dependent?. Journal of Ecology, 2007, 95, 309-320.	1.9	63
180	Fire effects on insect herbivores in an oak savanna: the role of light and nutrients. Ecological Entomology, 2007, 32, 754-761.	1.1	20

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