Bruce A Hungate

List of Publications by Year
in descending order

220 papers	23,609 citations	8172 76 h-index	8852 145 g-index
248 all docs	248 docs citations	248 times ranked	21753 citing authors

#	Article	IF	Citations
1	Decreased growth of wild soil microbes after 15Âyears of transplantâ€induced warming in a montane meadow. Global Change Biology, 2022, 28, 128-139.	4.2	16
2	Microbes on decomposing litter in streams: entering on the leaf or colonizing in the water?. ISME Journal, 2022, 16, 717-725.	4.4	14
3	Phylogenetic organization in the assimilation of chemically distinct substrates by soil bacteria. Environmental Microbiology, 2022, 24, 357-369.	1.8	8
4	Variation in genomic traits of microbial communities among ecosystems. FEMS Microbes, 2022, 2, .	0.8	9
5	Life and death in the soil microbiome: how ecological processes influence biogeochemistry. Nature Reviews Microbiology, 2022, 20, 415-430.	13.6	282
6	On maintenance and metabolisms in soil microbial communities. Plant and Soil, 2022, 476, 385-396.	1.8	12
7	Unexpected Parabolic Temperature Dependency of CH₄ Emissions from Rice Paddies. Environmental Science & Technology, 2022, 56, 4871-4881.	4.6	21
8	Soil minerals affect taxon-specific bacterial growth. ISME Journal, 2022, 16, 1318-1326.	4.4	24
9	Stimulation of ammonia oxidizer and denitrifier abundances by nitrogen loading: Poor predictability for increased soil N₂O emission. Global Change Biology, 2022, 28, 2158-2168.	4.2	54
10	Warming effects on grassland productivity depend on plant diversity. Global Ecology and Biogeography, 2022, 31, 588-598.	2.7	13
11	The Influence of Leaf Type on Carbon and Nitrogen Assimilation by Aquatic Invertebrate Communities: A New Perspective on Trophic Efficiency. Ecosystems, 2021, 24, 788-805.	1.6	4
12	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO₂. New Phytologist, 2021, 229, 2413-2445.	3.5	286
13	Long-term warming in a Mediterranean-type grassland affects soil bacterial functional potential but not bacterial taxonomic composition. Npj Biofilms and Microbiomes, 2021, 7, 17.	2.9	12
14	The temperature sensitivity of soil: microbial biodiversity, growth, and carbon mineralization. ISME Journal, 2021, 15, 2738-2747.	4.4	65
15	A trade-off between plant and soil carbon storage under elevated CO2. Nature, 2021, 591, 599-603.	13.7	268
16	The Functional Significance of Bacterial Predators. MBio, 2021, 12, .	1.8	48
17	Rapid Response of Nitrogen Cycling Gene Transcription to Labile Carbon Amendments in a Soil Microbial Community. MSystems, 2021, 6, .	1.7	20
18	Nutrients cause consolidation of soil carbon flux to small proportion of bacterial community. Nature Communications, 2021, 12, 3381.	5.8	51

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19	Stable-Isotope-Informed, Genome-Resolved Metagenomics Uncovers Potential Cross-Kingdom Interactions in Rhizosphere Soil. MSphere, 2021, 6, e0008521.	1.3	34
20	Mechanistic insights into the success of xenobiotic degraders resolved from metagenomes of microbial enrichment cultures. Journal of Hazardous Materials, 2021, 418, 126384.	6.5	10
21	Substrate stoichiometric regulation of microbial respiration and community dynamics across four different ecosystems. Soil Biology and Biochemistry, 2021, 163, 108458.	4.2	5
22	The soil priming effect: Consistent across ecosystems, elusive mechanisms. Soil Biology and Biochemistry, 2020, 140, 107617.	4.2	67
23	Fire affects the taxonomic and functional composition of soil microbial communities, with cascading effects on grassland ecosystem functioning. Global Change Biology, 2020, 26, 431-442.	4.2	45
24	Glucose triggers strong taxonâ€specific responses in microbial growth and activity: insights from <scp>DNA</scp> and <scp>RNA qSIP</scp>. Ecology, 2020, 101, e02887.	1.5	20
25	Soil carbon loss with warming: New evidence from carbonâ€degrading enzymes. Global Change Biology, 2020, 26, 1944-1952.	4.2	141
26	Measurement Error and Resolution in Quantitative Stable Isotope Probing: Implications for Experimental Design. MSystems, 2020, 5, .	1.7	20
27	New soil carbon sequestration with nitrogen enrichment: a meta-analysis. Plant and Soil, 2020, 454, 299-310.	1.8	35
28	Quantitative stable isotope probing with H₂¹⁸O to measure taxonâ€specific microbial growth. Soil Science Society of America Journal, 2020, 84, 1503-1518.	1.2	6
29	Longâ€term nitrogen loading alleviates phosphorus limitation in terrestrial ecosystems. Global Change Biology, 2020, 26, 5077-5086.	4.2	123
30	Taxon-specific microbial growth and mortality patterns reveal distinct temporal population responses to rewetting in a California grassland soil. ISME Journal, 2020, 14, 1520-1532.	4.4	67
31	Comparing traditional and Bayesian approaches to ecological metaâ€analysis. Methods in Ecology and Evolution, 2020, 11, 1286-1295.	2.2	14
32	Global warming and shifts in cropping systems together reduce China's rice production. Global Food Security, 2020, 24, 100359.	4.0	58
33	Lowerâ€thanâ€expected CH₄ emissions from rice paddies with rising CO₂ concentrations. Global Change Biology, 2020, 26, 2368-2376.	4.2	34
34	Metagenomes and Metatranscriptomes of a Glucose-Amended Agricultural Soil. Microbiology Resource Announcements, 2020, 9, .	0.3	2
35	Stable Isotope Probing of Microorganisms in Environmental Samples with H218O. Methods in Molecular Biology, 2019, 2046, 129-136.	0.4	2
36	Microbial Taxon-Specific Isotope Incorporation with DNA Quantitative Stable Isotope Probing. Methods in Molecular Biology, 2019, 2046, 137-149.	0.4	9

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37	Nitrogen and phosphorus constrain the CO2 fertilization of global plant biomass. Nature Climate Change, 2019, 9, 684-689.	8.1	269
38	Managing for disturbance stabilizes forest carbon. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10193-10195.	3.3	52
39	Evolutionary history constrains microbial traits across environmental variation. Nature Ecology and Evolution, 2019, 3, 1064-1069.	3.4	76
40	Predictive genomic traits for bacterial growth in culture versus actual growth in soil. ISME Journal, 2019, 13, 2162-2172.	4.4	66
41	Decadal biomass increment in early secondary succession woody ecosystems is increased by CO2 enrichment. Nature Communications, 2019, 10, 454.	5.8	68
42	Quantitative Stable Isotope Probing with H O to Measure Taxon-Specific Microbial Growth. Methods of Soil Analysis, 2019, 4, 1503.	0.8	3
43	mRNA, rRNA and DNA quantitative stable isotope probing with H218O indicates use of old rRNA among soil Thaumarchaeota. Soil Biology and Biochemistry, 2019, 130, 159-166.	4.2	2
44	Long-term elevated CO2 shifts composition of soil microbial communities in a Californian annual grassland, reducing growth and N utilization potentials. Science of the Total Environment, 2019, 652, 1474-1481.	3.9	34
45	Predicting soil carbon loss with warming. Nature, 2018, 554, E4-E5.	13.7	122
46	Estimating taxonâ€specific population dynamics in diverse microbial communities. Ecosphere, 2018, 9, e02090.	1.0	85
47	Soil mineral assemblage and substrate quality effects on microbial priming. Geoderma, 2018, 322, 38-47.	2.3	50
48	Taxonomic patterns in the nitrogen assimilation of soil prokaryotes. Environmental Microbiology, 2018, 20, 1112-1119.	1.8	39
49	Microbial rRNA Synthesis and Growth Compared through Quantitative Stable Isotope Probing with H ₂ ¹⁸ O. Applied and Environmental Microbiology, 2018, 84, .	1.4	27
50	Effects of plant species on stream bacterial communities via leachate from leaf litter. Hydrobiologia, 2018, 807, 131-144.	1.0	9
51	Warming induced changes in soil carbon and nitrogen influence priming responses in four ecosystems. Applied Soil Ecology, 2018, 124, 110-116.	2.1	24
52	Ecosystem responses to elevated <scp>CO</scp>₂ governed by plantâ€“soil interactions and the cost of nitrogen acquisition. New Phytologist, 2018, 217, 507-522.	3.5	139
53	Litter identity affects assimilation of carbon and nitrogen by a shredding caddisfly. Ecosphere, 2018, 9, e02340.	1.0	11
54	Quantitative stable isotope probing with H2 Â18O reveals that most bacterial taxa in soil synthesize new ribosomal RNA. ISME Journal, 2018, 12, 3043-3045.	4.4	34

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55	A keystone microbial enzyme for nitrogen control of soil carbon storage. Science Advances, 2018, 4, eaaq1689.	4.7	234
56	Ecosystem context illuminates conflicting roles of plant diversity in carbon storage. Ecology Letters, 2018, 21, 1604-1619.	3.0	50
57	Linking tree genetics and stream consumers: isotopic tracers elucidate controls on carbon and nitrogen assimilation. Ecology, 2018, 99, 1759-1770.	1.5	22
58	Response to Comment on â€œMycorrhizal association as a primary control of the CO ₂ fertilization effectâ€ Science, 2017, 355, 358-358.	6.0	4
59	Faster turnover of new soil carbon inputs under increased atmospheric <scp>CO</scp>₂. Global Change Biology, 2017, 23, 4420-4429.	4.2	96
60	Higher yields and lower methane emissions with new rice cultivars. Global Change Biology, 2017, 23, 4728-4738.	4.2	127
61	Biochar boosts tropical but not temperate crop yields. Environmental Research Letters, 2017, 12, 053001.	2.2	436
62	Bacterial carbon use plasticity, phylogenetic diversity and the priming of soil organic matter. ISME Journal, 2017, 11, 1890-1899.	4.4	110
63	The economic value of grassland species for carbon storage. Science Advances, 2017, 3, e1601880.	4.7	96
64	Plant growth promoting rhizobacteria are more effective under drought: a meta-analysis. Plant and Soil, 2017, 416, 309-323.	1.8	183
65	Labile carbon input determines the direction and magnitude of the priming effect. Applied Soil Ecology, 2017, 109, 7-13.	2.1	125
66	A general biodiversityâ€“function relationship is mediated by trophic level. Oikos, 2017, 126, 18-31.	1.2	112
67	Colonizing opportunistic pathogens (COPs): The beasts in all of us. PLoS Pathogens, 2017, 13, e1006369.	2.1	71
68	Penile Anaerobic Dysbiosis as a Risk Factor for HIV Infection. MBio, 2017, 8, .	1.8	62
69	Predicting the Responses of Soil Nitrite-Oxidizers to Multi-Factorial Global Change: A Trait-Based Approach. Frontiers in Microbiology, 2016, 7, 628.	1.5	50
70	Plant genotype influences aquaticâ€“terrestrial ecosystem linkages through timing and composition of insect emergence. Ecosphere, 2016, 7, e01331.	1.0	15
71	Stable isotope probing with 18O-water to investigate microbial growth and death in environmental samples. Current Opinion in Biotechnology, 2016, 41, 14-18.	3.3	31
72	Limits to soil carbon stability; Deep, ancient soil carbon decomposition stimulated by new labile organic inputs. Soil Biology and Biochemistry, 2016, 98, 85-94.	4.2	113

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73	Identification of growing bacteria during litter decomposition in freshwater through quantitative stable isotope probing. Environmental Microbiology Reports, 2016, 8, 975-982.	1.0	20
74	Restoring forest structure and process stabilizes forest carbon in wildfireâ€prone southwestern ponderosa pine forests. Ecological Applications, 2016, 26, 382-391.	1.8	56
75	Mycorrhizal association as a primary control of the CO ₂ fertilization effect. Science, 2016, 353, 72-74.	6.0	426
76	The Influence of Time and Plant Species on the Composition of the Decomposing Bacterial Community in a Stream Ecosystem. Microbial Ecology, 2016, 71, 825-834.	1.4	19
77	Phylogenetic organization of bacterial activity. ISME Journal, 2016, 10, 2336-2340.	4.4	150
78	Climate-driven changes in forest succession and the influence of management on forest carbon dynamics in the Puget Lowlands of Washington State, USA. Forest Ecology and Management, 2016, 362, 194-204.	1.4	27
79	Leaf-litter leachate is distinct in optical properties and bioavailability to stream heterotrophs. Freshwater Science, 2015, 34, 857-866.	0.9	31
80	Application of a twoâ€pool model to soil carbon dynamics under elevated <scp>CO</scp>₂. Global Change Biology, 2015, 21, 4293-4297.	4.2	18
81	<i>Staphylococcus aureus</i> and the ecology of the nasal microbiome. Science Advances, 2015, 1, e1400216.	4.7	189
82	Closely Related Tree Species Differentially Influence the Transfer of Carbon and Nitrogen from Leaf Litter Up the Aquatic Food Web. Ecosystems, 2015, 18, 186-201.	1.6	13
83	Carbon Tradeoffs of Restoration and Provision of Endangered Species Habitat in a Fire-Maintained Forest. Ecosystems, 2015, 18, 76-88.	1.6	33
84	High carbon use efficiency in soil microbial communities is related to balanced growth, not storage compound synthesis. Soil Biology and Biochemistry, 2015, 89, 35-43.	4.2	74
85	Ominous projections for global antibiotic use in food-animal production. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5554-5555.	3.3	40
86	Coupling Between and Among Ammonia Oxidizers and Nitrite Oxidizers in Grassland Mesocosms Submitted to Elevated CO2 and Nitrogen Supply. Microbial Ecology, 2015, 70, 809-818.	1.4	60
87	Dynamics of extracellular DNA decomposition and bacterial community composition in soil. Soil Biology and Biochemistry, 2015, 86, 42-49.	4.2	69
88	Proximate controls on semiarid soil greenhouse gas fluxes across 3Âmillion years of soil development. Biogeochemistry, 2015, 125, 375-391.	1.7	2
89	Penile Microbiota and Female Partner Bacterial Vaginosis in Rakai, Uganda. MBio, 2015, 6, e00589.	1.8	96
90	Quantitative Microbial Ecology through Stable Isotope Probing. Applied and Environmental Microbiology, 2015, 81, 7570-7581.	1.4	242

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91	Linking soil bacterial biodiversity and soil carbon stability. ISME Journal, 2015, 9, 1477-1480.	4.4	147
92	What Constitutes Plant-Available Molybdenum in Sandy Acidic Soils?. Communications in Soil Science and Plant Analysis, 2015, 46, 318-326.	0.6	14
93	Nitrogen inputs and losses in response to chronic CO₂ exposure in a subtropical oak woodland. Biogeosciences, 2014, 11, 3323-3337.	1.3	9
94	The Semen Microbiome and Its Relationship with Local Immunology and Viral Load in HIV Infection. PLoS Pathogens, 2014, 10, e1004262.	2.1	73
95	Stream carbon and nitrogen supplements during leaf litter decomposition: contrasting patterns for two foundation species. Oecologia, 2014, 176, 1111-1121.	0.9	45
96	Seasonal patterns in microbial communities inhabiting the hot springs of <scp>T</scp>engchong, <scp>Y</scp>unnan Province, <scp>C</scp>hina. Environmental Microbiology, 2014, 16, 1579-1591.	1.8	57
97	Accelerated microbial turnover but constant growth efficiency with warming in soil. Nature Climate Change, 2014, 4, 903-906.	8.1	266
98	Faster Decomposition Under Increased Atmospheric CO ₂ Limits Soil Carbon Storage. Science, 2014, 344, 508-509.	6.0	266
99	Linking Biodiversity and Ecosystem Services: Current Uncertainties and the Necessary Next Steps. BioScience, 2014, 64, 49-57.	2.2	285
100	Plant community feedbacks and long-term ecosystem responses to multi-factored global change. AoB PLANTS, 2014, 6, plu035-plu035.	1.2	47
101	Cumulative response of ecosystem carbon and nitrogen stocks to chronic <scp>CO</scp>₂ exposure in a subtropical oak woodland. New Phytologist, 2013, 200, 753-766.	3.5	43
102	Fire, hurricane and carbon dioxide: effects on net primary production of a subtropical woodland. New Phytologist, 2013, 200, 767-777.	3.5	8
103	Using metabolic tracer techniques to assess the impact of tillage and straw management on microbial carbon use efficiency in soil. Soil Biology and Biochemistry, 2013, 66, 139-145.	4.2	37
104	Increased greenhouse-gas intensity of rice production under future atmospheric conditions. Nature Climate Change, 2013, 3, 288-291.	8.1	153
105	Aligning ecology and markets in the forest carbon cycle. Frontiers in Ecology and the Environment, 2013, 11, 37-42.	1.9	23
106	A positive relationship between the abundance of ammonia oxidizing archaea and natural abundance Î´15N of ecosystems. Soil Biology and Biochemistry, 2013, 65, 313-315.	4.2	4
107	Male Circumcision Significantly Reduces Prevalence and Load of Genital Anaerobic Bacteria. MBio, 2013, 4, e00076.	1.8	130
108	Direct and legacy effects of longâ€term elevated <scp>CO</scp>₂ on fine root growth and plantâ€"insect interactions. New Phytologist, 2013, 200, 788-795.	3.5	20

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109	The effects of 11Âyr of <scp>CO</scp>₂ enrichment on roots in a <scp>F</scp>lorida scrubâ€oak ecosystem. New Phytologist, 2013, 200, 778-787.	3.5	36
110	A Comprehensive Census of Microbial Diversity in Hot Springs of Tengchong, Yunnan Province China Using 16S rRNA Gene Pyrosequencing. PLoS ONE, 2013, 8, e53350.	1.1	216
111	Element Pool Changes within a Scrub-Oak Ecosystem after 11 Years of Exposure to Elevated CO2. PLoS ONE, 2013, 8, e64386.	1.1	7
112	Wide distribution of autochthonous branched glycerol dialkyl glycerol tetraethers (bGDGTs) in U.S. Great Basin hot springs. Frontiers in Microbiology, 2013, 4, 222.	1.5	11
113	The distribution and abundance of archaeal tetraether lipids in U.S. Great Basin hot springs. Frontiers in Microbiology, 2013, 4, 247.	1.5	7
114	Valuing ecosystems for climate. Nature Climate Change, 2012, 2, 151-152.	8.1	14
115	Sinks for nitrogen inputs in terrestrial ecosystems: a metaâ€analysis of ¹⁵N tracer field studies. Ecology, 2012, 93, 1816-1829.	1.5	192
116	Stable Carbon Isotope Fractionation in Chlorinated Ethene Degradation by Bacteria Expressing Three Toluene Oxygenases. Frontiers in Microbiology, 2012, 3, 63.	1.5	11
117	Biogeochemical and ecological feedbacks in grassland responses to warming. Nature Climate Change, 2012, 2, 458-461.	8.1	86
118	A global synthesis reveals biodiversity loss as a major driver of ecosystem change. Nature, 2012, 486, 105-108.	13.7	1,750
119	Effects of multiple global change treatments on soil N2O fluxes. Biogeochemistry, 2012, 109, 85-100.	1.7	101
120	Recovery of ponderosa pine ecosystem carbon and water fluxes from thinning and standâ€replacing fire. Global Change Biology, 2012, 18, 3171-3185.	4.2	146
121	Common bacterial responses in six ecosystems exposed to 10 years of elevated atmospheric carbon dioxide. Environmental Microbiology, 2012, 14, 1145-1158.	1.8	79
122	Plantâˆ'Soil Distribution of Potentially Toxic Elements in Response to Elevated Atmospheric CO₂. Environmental Science & Technology, 2011, 45, 2570-2574.	4.6	26
123	Biophysical considerations in forestry for climate protection. Frontiers in Ecology and the Environment, 2011, 9, 174-182.	1.9	301
124	Increased soil emissions of potent greenhouse gases under increased atmospheric CO2. Nature, 2011, 475, 214-216.	13.7	413
125	Ammonia oxidation, denitrification and dissimilatory nitrate reduction to ammonium in two US Great Basin hot springs with abundant ammoniaâ€oxidizing archaea. Environmental Microbiology, 2011, 13, 2371-2386.	1.8	132
126	Responses of soil cellulolytic fungal communities to elevated atmospheric CO₂ are complex and variable across five ecosystems. Environmental Microbiology, 2011, 13, 2778-2793.	1.8	56

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127	Responses of terrestrial ecosystems to temperature and precipitation change: a metaâ€analysis of experimental manipulation. Global Change Biology, 2011, 17, 927-942.	4.2	1,066
128	Potential role of Thermus thermophilus and T.Âoshimai in high rates of nitrous oxide (N2O) production in â^¼80â€ƒÂ°C hot springs in the US Great Basin. Geobiology, 2011, 9, 471-480.	1.1	42
129	Probing carbon flux patterns through soil microbial metabolic networks using parallel position-specific tracer labeling. Soil Biology and Biochemistry, 2011, 43, 126-132.	4.2	54
130	Modeling soil metabolic processes using isotopologue pairs of position-specific 13C-labeled glucose and pyruvate. Soil Biology and Biochemistry, 2011, 43, 1848-1857.	4.2	77
131	Effect of temperature on metabolic activity of intact microbial communities: Evidence for altered metabolic pathway activity but not for increased maintenance respiration and reduced carbon use efficiency. Soil Biology and Biochemistry, 2011, 43, 2023-2031.	4.2	212
132	Wildfire reduces carbon dioxide efflux and increases methane uptake in ponderosa pine forest soils of the southwestern USA. Biogeochemistry, 2011, 104, 251-265.	1.7	40
133	A meta-analysis of responses of soil biota to global change. Oecologia, 2011, 165, 553-565.	0.9	378
134	Responses of Ecosystem Carbon Cycling to Climate Change Treatments Along an Elevation Gradient. Ecosystems, 2011, 14, 1066-1080.	1.6	27
135	Measuring Nitrification, Denitrification, and Related Biomarkers in Terrestrial Geothermal Ecosystems. Methods in Enzymology, 2011, 486, 171-203.	0.4	42
136	Testing interactive effects of global environmental changes on soil nitrogen cycling. Ecosphere, 2011, 2, art56.	1.0	56
137	Global Change Could Amplify Fire Effects on Soil Greenhouse Gas Emissions. PLoS ONE, 2011, 6, e20105.	1.1	35
138	Response of Terrestrial CH4 Uptake to Interactive Changes in Precipitation and Temperature Along a Climatic Gradient. Ecosystems, 2010, 13, 1157-1170.	1.6	65
139	Responses of soil nitrogen cycling to the interactive effects of elevated CO2 and inorganic N supply. Plant and Soil, 2010, 327, 35-47.	1.8	24
140	A call to investigate drivers of soil organic matter retention vs. mineralization in a high CO2 world. Soil Biology and Biochemistry, 2010, 42, 665-668.	4.2	42
141	Carbon and water fluxes from ponderosa pine forests disturbed by wildfire and thinning. Ecological Applications, 2010, 20, 663-683.	1.8	154
142	Effects of interactive global changes on methane uptake in an annual grassland. Journal of Geophysical Research, 2010, 115, .	3.3	35
143	Priming depletes soil carbon and releases nitrogen in a scrub-oak ecosystem exposed to elevated CO2. Soil Biology and Biochemistry, 2009, 41, 54-60.	4.2	114
144	Relationships between C and N availability, substrate age, and natural abundance 13C and 15N signatures of soil microbial biomass in a semiarid climate. Soil Biology and Biochemistry, 2009, 41, 1605-1611.	4.2	38

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145	Accounting for risk in valuing forest carbon offsets. Carbon Balance and Management, 2009, 4, 1.	1.4	65
146	Does deep soil N availability sustain longâ€term ecosystem responses to elevated CO₂?. Global Change Biology, 2009, 15, 2035-2048.	4.2	37
147	Assessing the effect of elevated carbon dioxide on soil carbon: a comparison of four metaâ€analyses. Global Change Biology, 2009, 15, 2020-2034.	4.2	180
148	Seeing the forest for the trees: longâ€term exposure to elevated CO₂increases some herbivore densities. Global Change Biology, 2009, 15, 1895-1902.	4.2	24
149	Persistent effects of fire-induced vegetation change on energy partitioning and evapotranspiration in ponderosa pine forests. Agricultural and Forest Meteorology, 2009, 149, 491-500.	1.9	62
150	Disturbance, rainfall and contrasting species responses mediated aboveground biomass response to 11 years of CO₂ enrichment in a Florida scrubâ€oak ecosystem. Global Change Biology, 2009, 15, 356-367.	4.2	47
151	Nitrogen source influences natural abundance 15N of Escherichia coli. FEMS Microbiology Letters, 2008, 282, 246-250.	0.7	15
152	Scavenging for scrap metal. Nature Geoscience, 2008, 1, 213-214.	5.4	4
153	¹⁵N enrichment as an integrator of the effects of C and N on microbial metabolism and ecosystem function. Ecology Letters, 2008, 11, 389-397.	3.0	142
154	Longâ€term impact of a standâ€replacing fire on ecosystem CO₂ exchange of a ponderosa pine forest. Global Change Biology, 2008, 14, 1801-1820.	4.2	128
155	Changing land use reduces soil CH₄ uptake by altering biomass and activity but not composition of highâ€affinity methanotrophs. Global Change Biology, 2008, 14, 2405-2419.	4.2	60
156	Restoration of a ponderosa pine forest increases soil CO₂ efflux more than either water or nitrogen additions. Journal of Applied Ecology, 2008, 45, 913-920.	1.9	24
157	Carbon protection and fire risk reduction: toward a full accounting of forest carbon offsets. Frontiers in Ecology and the Environment, 2008, 6, 493-498.	1.9	170
158	Protecting climate with forests. Environmental Research Letters, 2008, 3, 044006.	2.2	313
159	Altered soil microbial community at elevated CO2 leads to loss of soil carbon. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4990-4995.	3.3	434
160	SOIL RESPONSES TO MANAGEMENT, INCREASED PRECIPITATION, AND ADDED NITROGEN IN PONDEROSA PINE FORESTS. , 2007, 17, 1352-1365.		33
161	MEASURING TERRESTRIAL SUBSIDIES TO AQUATIC FOOD WEBS USING STABLE ISOTOPES OF HYDROGEN. Ecology, 2007, 88, 1587-1592.	1.5	186
162	Impacts of Hurricane Frances on Florida scrub-oak ecosystem processes: defoliation, net CO2exchange and interactions with elevated CO2. Global Change Biology, 2007, 13, 1101-1113.	4.2	43

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163	Natural abundance Î´15N and Î´13C of DNA extracted from soil. Soil Biology and Biochemistry, 2007, 39, 3101-3107.	4.2	24
164	Elevated CO₂ mitigates the adverse effects of drought on daytime net ecosystem CO₂ exchange and photosynthesis in a Florida scrub-oak ecosystem. Photosynthetica, 2007, 45, 51-58.	0.9	17
165	Root biomass and nutrient dynamics in a scrub-oak ecosystem under the influence of elevated atmospheric CO2. Plant and Soil, 2007, 292, 219-232.	1.8	25
166	Tree species and moisture effects on soil sources of N2O: Quantifying contributions from nitrification and denitrification with18O isotopes. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	10
167	Carbon-Nitrogen Interactions in Terrestrial Ecosystems in Response to Rising Atmospheric Carbon Dioxide. Annual Review of Ecology, Evolution, and Systematics, 2006, 37, 611-636.	3.8	366
168	Managing forests infested by spruce beetles in south-central Alaska: Effects on nitrogen availability, understory biomass, and spruce regeneration. Forest Ecology and Management, 2006, 227, 267-274.	1.4	17
169	Ectomycorrhizal colonization slows root decomposition: the post-mortem fungal legacy. Ecology Letters, 2006, 9, 955-959.	3.0	144
170	C and N availability affects the 15 N natural abundance of the soil microbial biomass across a cattle manure gradient. European Journal of Soil Science, 2006, 57, 468-475.	1.8	41
171	Several components of global change alter nitrifying and denitrifying activities in an annual grassland. Functional Ecology, 2006, 20, 557-564.	1.7	83
172	Rapid root closure after fire limits fine root responses to elevated atmospheric CO2 in a scrub oak ecosystem in central Florida, USA. Global Change Biology, 2006, 12, 1047-1053.	4.2	31
173	Interactions between plant growth and soil nutrient cycling under elevated CO2 : a meta-analysis. Global Change Biology, 2006, 12, 2077-2091.	4.2	504
174	Stable isotope discrimination during soil denitrification: Production and consumption of nitrous oxide. Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	1.9	71
175	Carbon and nitrogen stable isotopes in forest soils of Siberia. Doklady Earth Sciences, 2006, 409, 747-749.	0.2	11
176	13C and 15N natural abundance of the soil microbial biomass. Soil Biology and Biochemistry, 2006, 38, 3257-3266.	4.2	226
177	Element interactions limit soil carbon storage. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6571-6574.	3.3	318
178	NITROGEN CYCLING DURING SEVEN YEARS OF ATMOSPHERIC CO2ENRICHMENT IN A SCRUB OAK WOODLAND. Ecology, 2006, 87, 26-40.	1.5	77
179	Belowground Food Webs in a Changing Climate. Advances in Agroecology, 2006, , 117-150.	0.3	1
180	Effects of Elevated CO2 and Herbivore Damage on Litter Quality in a Scrub Oak Ecosystem. Journal of Chemical Ecology, 2005, 31, 2343-2356.	0.9	19

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181	Global change, nitrification, and denitrification: A review. Global Biogeochemical Cycles, 2005, 19, .	1.9	310
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